JVC

# SERVICE MANUAL

## LCD PANEL TELEVISION

## LT-40X667/S,LT-40X787/S,
## LT-40X887/S

| BASIC CHASSIS |
|---|
| FL4 |

[LT-40X887/S]

I'Art™ PALETTE
GENESSA
HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE
i HDTV
DCR DOLBY DIGITAL
MaxxBass®

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# SPECIFICATION

| Items | | Contents |
|---|---|---|
| Dimensions ( W × H × D ) | | 100.0 cm × 73.4 cm ×32.5 cm (39-3/8" × 29" × 12-3/4") [Included stand]<br>100.0 cm × 67.1 cm × 11.8 cm (39-3/8" × 26-5/8" × 4-5/8") [Included stand] |
| Mass | | 31.0 kg (68.2 lbs) [Included stand]<br>25.0 kg (55.0 lbs) [TV only] |
| Power Input | | AC120 V , 60 Hz |
| Power Consumption | | 257 W (Max) |
| TV RF System (Analog / Digital) | Analog | CCIR (M) |
| | Digital | ATSC terrestrial / Digital cable |
| Color System (Analog) | | NTSC |
| Stereo System (Analog) | | BTSC (Multi Channel Sound) |
| Teletext System (Analog) | | Closed caption (T1-T4 / CC1-CC4) |
| TV Receiving Channels and Frequency (Analog) | VHF Low | 02 ch - 06 ch : 54 MHz - 88 MHz |
| | VHF High | 07 ch - 13 ch : 174 MHz - 216 MHz |
| | UHF | 14 ch - 69 ch : 470 MHz - 806 MHz |
| | CATV | 54 MHz - 804 MHz<br>Low Band : 02 - 06<br>High Band : 07 - 13<br>Mid Band : 14 - 22<br>Super Band : 23 - 36<br>Hyper Band : 37 - 64<br>Ultra Band : 65 - 94, 100 - 135<br>Sub Mid Band : 01, 96 - 99 |
| TV / CATV Total Channel | | 191 Channels |
| Intermediate Frequency (Analog) | Video IF | 45.75 MHz |
| | Sound IF | 41.25 MHz (4.5 MHz) |
| Color Sub Carrier Frequency (Analog) | | 3.58 MHz |
| LCD panel | | 40V-inch wide aspect (16:9) |
| Screen Size | | Diagonal : 101.5 cm (H:88.5 cm × V:49.8 cm) |
| Display Pixels | | Horizontal : 1366 dots × Vertical : 768 dots (W-XGA) |
| Audio Power Output | | 10 W + 10 W |
| Speaker | | 6.6 cm (Oblique type × 2), 6.6 cm (Woofer type × 2) |
| Antenna Terminal (VHF/UHF, ATSC / DIGITAL CABLE IN) | | F-type connector, 75Ω unbalanced, coaxial × 1 |
| Video / Audio input [INPUT-1/2/3] | Component Video [INPUT-1] | RCA pin jack × 3 |
| | 1125i / 750p | Y : 1 V (p-p) (Sync signal: 0.35V(p-p), 3-value sync.), 75 Ω<br>Pb/Pr : ±0.35V(p-p), 75 Ω |
| | 525p / 525i | Y : 1 V (p-p), Positive (Negative sync provided), 75 Ω<br>Cb/Cr : 0.7V(p-p), 75 Ω |
| | S-Video [INPUT-1/2] | Mini-DIN 4 pin × 2<br>Y: 1 V (p-p), Positive (Negative sync provided), 75 Ω<br>C: 0.286V (p-p) (Burst signal), 75 Ω |
| | Video | 1 V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 3 |
| | Audio | 500 mV (rms), High impedance, RCA pin jack × 6 |
| Digital input [DIGITAL-IN 1/2] | Video | HDMI 2-row 19pin connector × 2<br>(Digital-input terminal is not compatible with picture signals of personal computer) |
| | Audio | Digital: HDMI 2-row 19pin connector × 2<br>Anarog: 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2 |
| PC (RGB) Input | | D-sub 3-row 15pin × 1<br>R/G/B : 0.7V (p-p), 75Ω<br>HD / VD : 1V (p-p) to 5V (p-p), high impedance<br>< Available signal ><br>VGA : 640 pixels × 480 pixels (Horizontal : 31.5kHz / Vertical : 60Hz)<br>XGA : 1024 pixels × 768 pixels (Horizontal : 48.4kHz / Vertical : 60Hz) |
| Audio output | | 250 mV (rms), Low impedance, RCA pin jack × 2 |
| iLink Input/Output | | TS In/Out (4-pin, S400) × 2, IEEE1394 compliant DTCP digital copy protection compatible |
| Digital Audio Optical Output | | Digital SPDIF × 1 |
| Headphone | | 3.5 mm stereo mini jack × 1 |
| Remote Control Unit | | RM-C18G (AA/R6 / UM-3 battery × 2) |

Design & specifications are subject to change without notice.

# SECTION 1
# PRECAUTION

## 1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by ( ⚠ ) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : ( ⊥ ) side GND, the ISOLATED (NEUTRAL) : ( ⏚ ) side GND and EARTH : ( ⊜ ) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

(5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

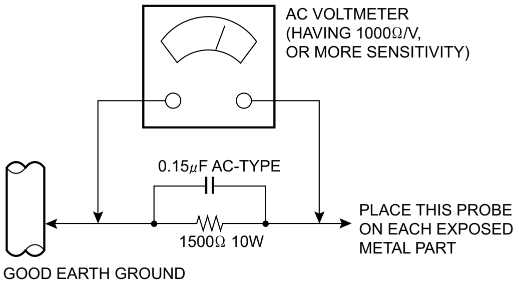
(6) **Isolation Check (Safety for Electrical Shock Hazard)**
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

**Alternate Check Method**

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15µF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



## 1.2 INSTALLATION

### 1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically.Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.

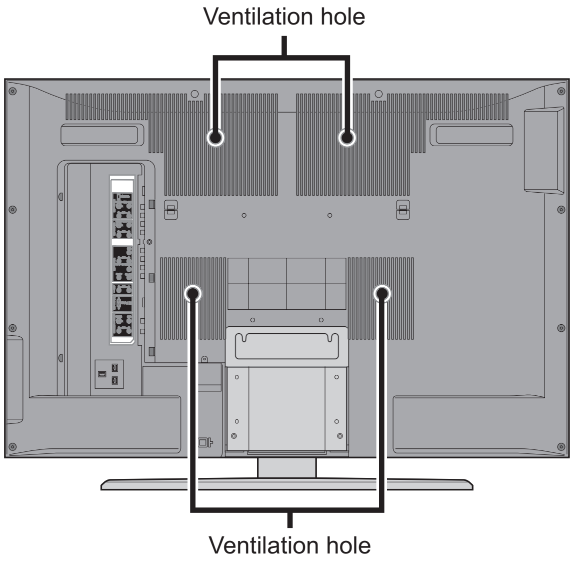


*Diagram differs from actual appearance.

### 1.2.2 INSTALLATION REQUIREMENTS

Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc.Install the unit on stable flooring or stands.Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.

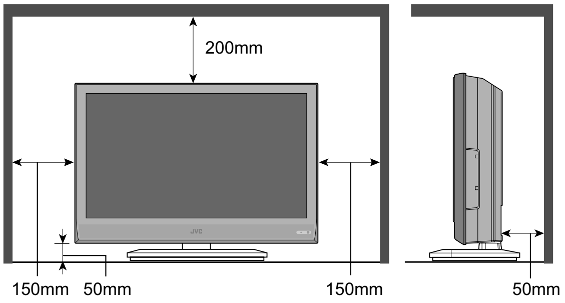


*Diagram differs from actual appearance.

### 1.2.3 INSTALLATION REQUIREMENTS

To ensure safety in an emergency such as an earthquake, and to prevent accidents, ensure that measures are taken to prevent the TV dropping or falling over.

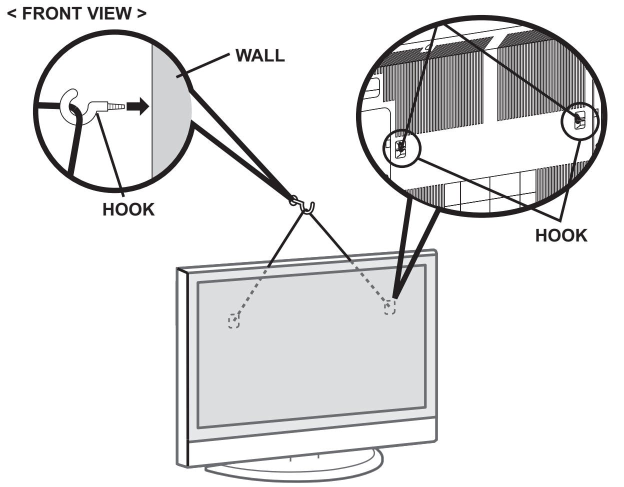


*Diagram differs from actual appearance.

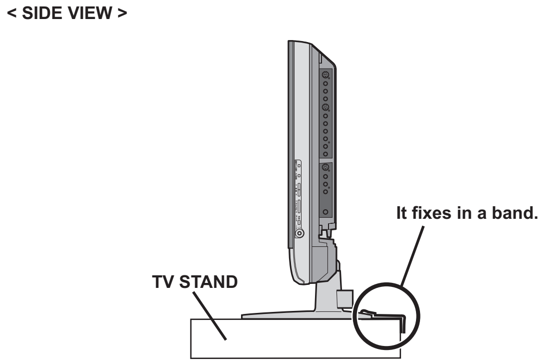


*Diagram differs from actual appearance.

### 1.2.4 NOTES ON HANDLING

(1) WHEN TAKING UNIT OUT OF A PACKING CASE
When taking the unit out of a packing case, do not grasp the upper part of the unit. If you take the unit out while grasping the upper part, the LCD PANEL may be damaged because of a pressure. Instead of grasping the upper part, put your hands on the lower backside or sides of the unit.

(2) AS FOR PRESSING OR TOUCHING A SPEAKER
Be careful not to press the opening of the speaker in the lower part of the unit and around them since the decorative sheet on the surface of the openings may be deformed.

## 1.3 HANDLING LCD PANEL

### 1.3.1 PRECAUTIONS FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal LCD panel due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention before delivery, such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the LCD panel of this unit is made of glass and therefore fragile:

(1) USE A SPECIAL PACKING CASE FOR THE LCD PANEL
When transporting the LCD panel of the unit, use a special packing case (packing materials). A special packing case is used when a LCD panel is supplied as a service spare part.

(2) ATTACH PROTECTION SHEET TO THE FRONT
Since the front (display part) of the panel is vulnerable, attach the protection sheet to the front of the LCD panel before transportation. Protection sheet is used when a LCD panel is supplied as a service spare part.

(3) AVOID VIBRATIONS AND IMPACTS
The unit may be broken if it is toppled sideways even when properly packed. Continuous vibration may shift the gap of the panel, and the unit may not be able to display images properly. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

(4) DO NOT PLACE EQUIPMENT HORIZONTALLY
Ensure that it is placed upright and not horizontally during transportation and storage as the LCD panel is very vulnerable to lateral impacts and may break. During transportation, ensure that the unit is loaded along the traveling direction of the vehicle, and avoid stacking them on one another. For storage, ensure that they are stacked in 2 layers or less even when placed upright.

### 1.3.2 OPTICAL FILTER (ON THE FRONT OF THE LCD PANEL)

(1) Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and color.

(2) Clean the filter surface by wiping it softly and lightly with a soft and lightly fuzz cloth (such as outing flannel).

(3) Do not use solvents such as benzene or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off. When cleaning the filter, usually use the neutral detergent diluted with water. When cleaning the dirty filter, use water-diluted ethanol.

(4) Since the filter surface is fragile, do not scratch or hit it with hard materials. Be careful enough not to touch the front surface, especially when taking the unit out of the packing case or during transportation.

### 1.3.3 PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (REAR COVER, FRONT PANEL, etc.):

(1) Do not exert pressure on the front of the LCD panel (filter surface). It may cause irregular color.

(2) Pay careful attention not to scratch or stain the front of the LCD panel (filter surface) with hands.

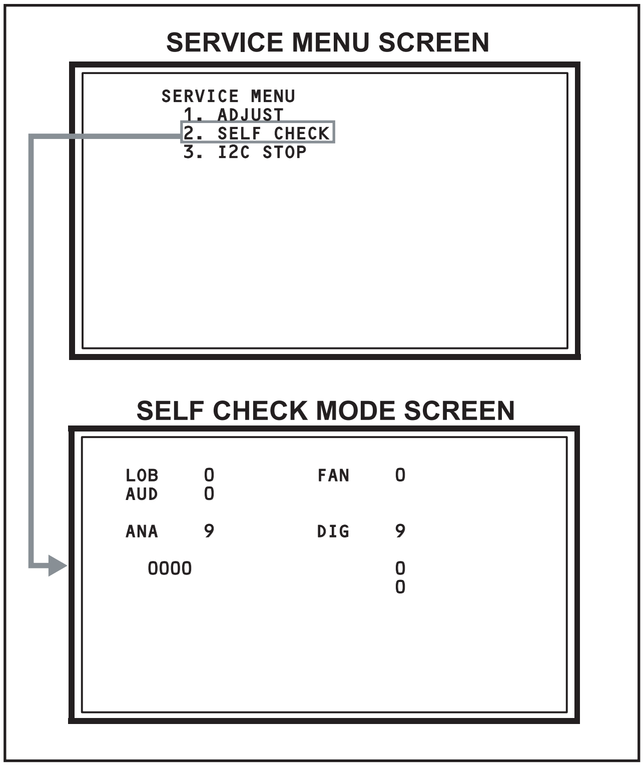
(3) When replacing exterior parts, the front (LCD panel) should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front (filter surface).

# SECTION 2
# SPECIFIC SERVICE INSTRUCTIONS

## 2.1 SYSTEM SETTEING

**Be sure to carry out the following operation at the end of the procedure.**

(1) Set to 0 minutes using the **[SLEEP TIMER]** key.
(2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the SERVICE MODE.
(3) When the Main Menu is displayed, press **[2]** key to enter the self check mode.
(4) Turn off the power by pressing the **[POWER]** key on the remote control unit.



SERVICE MENU SCREEN

```
SERVICE MENU
  1. ADJUST
  2. SELF CHECK
  3. I2C STOP
```

SELF CHECK MODE SCREEN

```
LOB    0          FAN    0
AUD    0

ANA    9          DIG    9

  0000                   0
                         0
```

## 2.2 FEATURES

**D.I.S.T. (Digital Image Scaling Technology)**
This system uses line interpolation to double the number of scanning lines and achieve high resolution, flicker-free picture.

**Color Management**
This function ensures dull colors are compensated to produce natural hues.

**Picture Management**
This function makes it easier to see the dark areas when a picture has many dark areas, and makes it easier to see the bright areas when a picture has many bright areas.

**Smart Picture**
This function detects the APL (Average Picture Level) and adjusts the contrast suitable for what you are watching.

**DIGITAL VNR**
This function cuts down the amount of noise in the original picture.

**MPEG Noise Reduction**
This function effects the block noise removal and mosquito NR simultaneously.

**Sensor Effect**
With Sensor Effect ON, a "leaf" icon will appear on your TV screen when Smart Sensor brightness adjustment occurs.

## 2.3 MAIN DIFFERENCE LIST

| Item | LT-40X667/S | LT-40X787/S | LT-40X887/S |
|---|---|---|---|
| FRAME COLOR | SILVER | SILVER | BRACK |
| GRILL COLOR | BRACK | SILVER | BRACK |

## 2.4 TECHNICAL INFORMATION

### 2.4.1 LCD PANEL

This unit uses the flat type panel LCD (Liquid Crystal Display) panel that occupies as little space as possible, instead of the conventional CRT (Cathode Ray Tube), as a display unit.

Since the unit has the two polarizing filter that are at right angles to each other, the unit adopts "normally black" mode, where light does not pass through the polarizing filter and the screen is black when no voltage is applied to the liquid crystals.

#### 2.4.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

| Item | Specifications |
|---|---|
| Maximum dimensions ( W × H × D ) | 95.2 cm × 55.1 cm × 5.2 cm |
| Weight | 11.5 kg |
| Effective screen size | Diagonal: 101.5 cm (H: 88.5 cm × V: 49.8 cm) |
| Aspect ratio | 16 : 9 |
| Drive device / system | a-Si-TFT active matrix system |
| Resolution | Horizontally 1366 × Vertically 768 × RGB < W-XGA > 3147264 dots in total |
| Pixel pitch (pixel size) | Horizontally: 0.648 mm, Vertically: 0.648 mm |
| Displayed color | 16777216 colors 256 colors for R G and B |
| Brightness | 500cd/m2 |
| Contrast ratio | 1200 : 1 |
| Response time ( Tr + Tf ) | less than 16 ms |
| View angle (Horizontally) | 178° |
| View angle (Vertically) | 178° |
| Surface polarizer | Anti-Glare type Low reflective coat |
| Color filter | Vertical stripe |
| Backlight | Cold cathode fluorescent lamp × 20 |
| Power supply voltage in LCD | 5 V |
| Power supply voltage in inverter | 24 V |
| Panel interface system | LVDS (Low Voltage Differential Signaling) |

#### 2.4.1.2 PIXEL FAULT

There are three pixel faults - bright fault , dark fault and flicker fault - that are respectively defined as follows.

- **BRIGHT FAULT**

  In this pixel fault, a cell that should not light originally is lighting on and off.
  For checking this pixel fault, input ALL BLACK SCREEN and find out the cell that is lighting on and off.

- **DARK FAULT**

  In this pixel fault, a cell that should light originally is not lighting or lighting with the brightness twice as brighter as originally lighting.
  For checking this pixel fault, input 100% of each R/G/B color and find out the cell that is not lighting.

- **FLICKER FAULT**

  In the pixel fault, a cell that should light originally or not light originally is flashing on and off.
  For checking this pixel fault, input ALL BLACK SCREEN signal or 100% of each RGB color and find out the cell that is flashing on and off.

## 2.4.2 MAIN CPU PIN FUNCTION [IC7601 : DIGITAL PWB]

| Pin | Pin name | I/O | Function | Pin | Pin name | I/O | Function |
|---|---|---|---|---|---|---|---|
| 1 | VHOLD1 | I | Data slice for main screen closed caption | 51 | P4.3 | O | Not used |
| 2 | HFLT1 | I/O | LPF for main screen closed caption video input | 52 | P4.2 | O | Not used |
| 3 | P9.4 | O | Not used | 53 | P4.1 | O | Not used |
| 4 | P9.3 | O | Not used | 54 | P4.0 | O | Not used |
| 5 | DIGR0 | O | R [0] for OSD | 55 | P3.7 | O | Not used |
| 6 | TB1in | I | AC power for timer clock | 56 | P3.6 | O | Not used |
| 7 | REMO | I | Remote control | 57 | P3.5 | O | Not used |
| 8 | BYTE | I | Data bus width select [L = 16bit (fixed)] | 58 | P3.4 | O | Not used |
| 9 | CNVss | I | CPU programming mode select [Normal = L] | 59 | P3.3 | O | Not used |
| 10 | DIGG0 | O | G [0] for OSD | 60 | P3.2 | O | Not used |
| 11 | DIGB0 | O | B [0] for OSD | 61 | P3.1 | O | Not used |
| 12 | RESET | I | Reset for main CPU [Reset = L] | 62 | HSYNC | I | H. sync for OSD |
| 13 | Xout | O | System clock osillation (crystal) : 16MHz | 63 | P3.0 | O | Not used |
| 14 | Vss | - | GND | 64 | VSYNC | I | V. sync for OSD |
| 15 | Xin | I | System clock osillation (crystal) : 16MHz | 65 | P2.7 | O | Not used |
| 16 | Vcc1 | I | 3.3V stand-by power supply | 66 | P2.6 | O | Not used |
| 17 | OSC1 | I | Clock for OSD | 67 | P2.5 | O | Not used |
| 18 | OSC2 | O | Not used : Clock for OSD | 68 | P2.4 | O | Not used |
| 19 | INT1 | I | Not used : AV COMPULINK control | 69 | P2.3 | O | Not used |
| 20 | INT0 | I | Request for sub(chassis) CPU communication (serial data) | 70 | P2.2 | O | Not used |
| 21 | OUT1 | O | Ys (blanking) for OSD | 71 | P2.1 | O | Clock for Inter IC (serial) bus control |
| 22 | OUT2 | O | YM (transparence) for OSD | 72 | P2.0 | I/O | Data for Inter IC (serial) bus control |
| 23 | P7.7 | O | Not used | 73 | P1.7 | O | Not used |
| 24 | P7.6 | O | Not used | 74 | P1.6 | O | Not used |
| 25 | P7.5 | O | Not used | 75 | P1.5 | O | Not used |
| 26 | P7.4 | O | Not used | 76 | P1.4 | O | Not used |
| 27 | CTA2/RTS2 | O | Not used | 77 | P1.3 | O | Not used |
| 28 | CLK2 | O | Not used | 78 | P1.2 | O | Not used |
| 29 | RxD2 | I | Digital tuner control | 79 | P1.1 | O | Not used |
| 30 | TxD2 | O | Digital tuner control | 80 | P1.0 | O | Function LED lighting |
| 31 | SDA2 | I/O | Not used | 81 | P0.7 | O | Communication LED lighting |
| 32 | DIGR1 | O | R [1] for OSD | 82 | P0.6 | O | Test point |
| 33 | DIGG1 | O | G [1] for OSD | 83 | CEC_INT | O | Not used |
| 34 | DIGB1 | O | B [1] for OSD | 84 | WAKE | O | Reset for sub(chassis) CPU |
| 35 | TxD0 | I | Data receive (serial) for external programming | 85 | CARD_DET | I | Not used |
| 36 | RxD0 | O | Data transmission (serial) for external programming | 86 | POWER_SW | I | Power switch (mechanical) detection |
| 37 | CLK0 | I | Clock for external programming | 87 | SDA | I/O | Data for Inter IC (serial) bus control : memory |
| 38 | RTS0 | O | Busy for external programming [Operation = H] | 88 | SCL | O | Clock for Inter IC (serial) bus control : memory |
| 39 | P5.7 | I | Not used | 89 | DIGR2 | O | R [2] for OSD |
| 40 | P5.6 | O | Not used | 90 | DIGG2 | O | G [2] for OSD |
| 41 | HOLD | I | CPU programming mode select [Normal = H] | 91 | DIGB2 | O | B [2] for OSD |
| 42 | P5.4 | O | Not used | 92 | 10.0 | O | Not used |
| 43 | P5.3 | O | Not used | 93 | KEY2 | I | Key scan data for front control button (MENU/CH+/CH-) KEY2 |
| 44 | P5.2 | O | Not used | 94 | KEY1 | I | Key scan data for front control button (INPUT/VOL+/VOL-) KEY1 |
| 45 | P5.1 | O | Not used | 95 | VHOLD2 | I | Data slice for sub screen closed caption |
| 46 | WR | O | CPU programming mode select [Normal = L] | 96 | HLF2 | I/O | LPF for sub screen closed caption video input |
| 47 | P4.7 | O | Data transmission for sub(chassis) CPU communication (serial) | 97 | CVIN2 | I | Video(Y) for sub screen closed caption |
| 48 | P4.6 | I | Data receive for sub(chassis) CPU communication (serial) | 98 | TVSETB | I | Test terminal [L Fixed] |
| 49 | P4.5 | I | Clock for sub(chassis) CPU communication (serial) | 99 | VCCE | I | 5V stand-by power supply |
| 50 | P4.4 | O | Not used | 100 | CVIN1 | I | Video(Y) for main screen closed caption |

# SECTION 3
# DISASSEMBLY

## 3.1 DISASSEMBLY PROCEDURE

**CAUTION AT DISASSEMBLY:**

- **Be sure to perform the SYSTEM SETTEING, at the end of the procedure.**
- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required. Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.

### 3.1.1 REMOVING THE STAND (Fig.1)

(1) Remove the 2 screws **[A]**.
(2) Remove the STAND COVER.
(3) Remove the 2 screws **[B]** and 2 screws **[C]**.
(4) Remove the STAND.

### 3.1.2 REMOVING THE REAR COVER (Fig.1)

- Remove the STAND.

(1) Remove the JACK COVER (L/R).
(2) Remove the 10 screws **[D]**, the 6 screws **[E]**, and the 2 screws **[F]**.
(3) Remove the REAR COVER.

### 3.1.3 REMOVING THE POWER PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 1 screw **[G]**.
(2) Remove the POWER CORD HOLDER.
(3) Remove the POWER CORD.
(4) Remove the 4 screws **[H]**.
(5) Remove the MAIN POWER PWB.

### 3.1.4 REMOVING THE D-AMP PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 2 screw **[J]**.
(2) Remove the D-AMP PWB.

### 3.1.5 REMOVING THE ANALOG PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the D-AMP PWB.

(1) Remove the 3 screws **[K]** and 2 screws **[L]**.
(2) Remove the TERMINAL BASE.
(3) Remove the 1 screw **[M]**.
(4) Remove the TUNER BASE.
(5) Remove the 2 screws **[N]**.
(6) Remove the D-AMP BRACKET.
(7) Remove the 3 screws **[O]**.
(8) Remove the 2 screws **[P]**.
(9) Remove the ANALOG PWB.

### 3.1.6 REMOVING THE DC-DC PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 4 screws **[Q]**.
(2) Remove the BACK BRACKET.
(3) Remove the 2 screws **[R]**.
(4) Remove the DC-DC PWB.

### 3.1.7 REMOVING THE COOLING FAN (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.

(1) Remove the 7 hooks of the SHIELD COVER.
(2) Remove the SHIELD COVER by sliding it in the direction of the arrow.
(3) Remove the 2 screws **[S]**.
(4) Remove the COOLING FAN.

### 3.1.8 REMOVING THE ATSC TUNER MODULE PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
- Remove the SHIELD COVER.

(1) Remove the 4 screws **[T]**.
(2) Remove the ATSC TUNER MODULE PWB.

### 3.1.9 REMOVING THE OPTICAL PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
- Remove the SHIELD COVER.

(1) Remove the 1 screw **[U]**.
(2) Remove the OPTICAL PWB.

### 3.1.10 REMOVING THE SD CARD PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
- Remove the SHIELD COVER.

(1) Remove the 1 screw **[V]**.
(2) Remove the SD CARD PWB.

### 3.1.11 REMOVING THE DIGITAL PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
- Remove the SHIELD COVER.
- Remove the ATSC TUNER MODULE PWB.
- Remove the SD CARD PWB.

(1) Remove the 2 screws **[W]** and 2 screws **[X]**.
(2) Remove the SHIELD TERMINAL.
(3) Remove the 7 screws **[Y]**.
(4) Remove the DIGITAL PWB BRACKET.
(5) Remove the 2 screws **[Z]**.
(6) Remove the DIGITAL PWB.

**CAUTION :**

Make sure to perform the "SYSTEM SETTEING", when DIGITAL PWB is replaced.

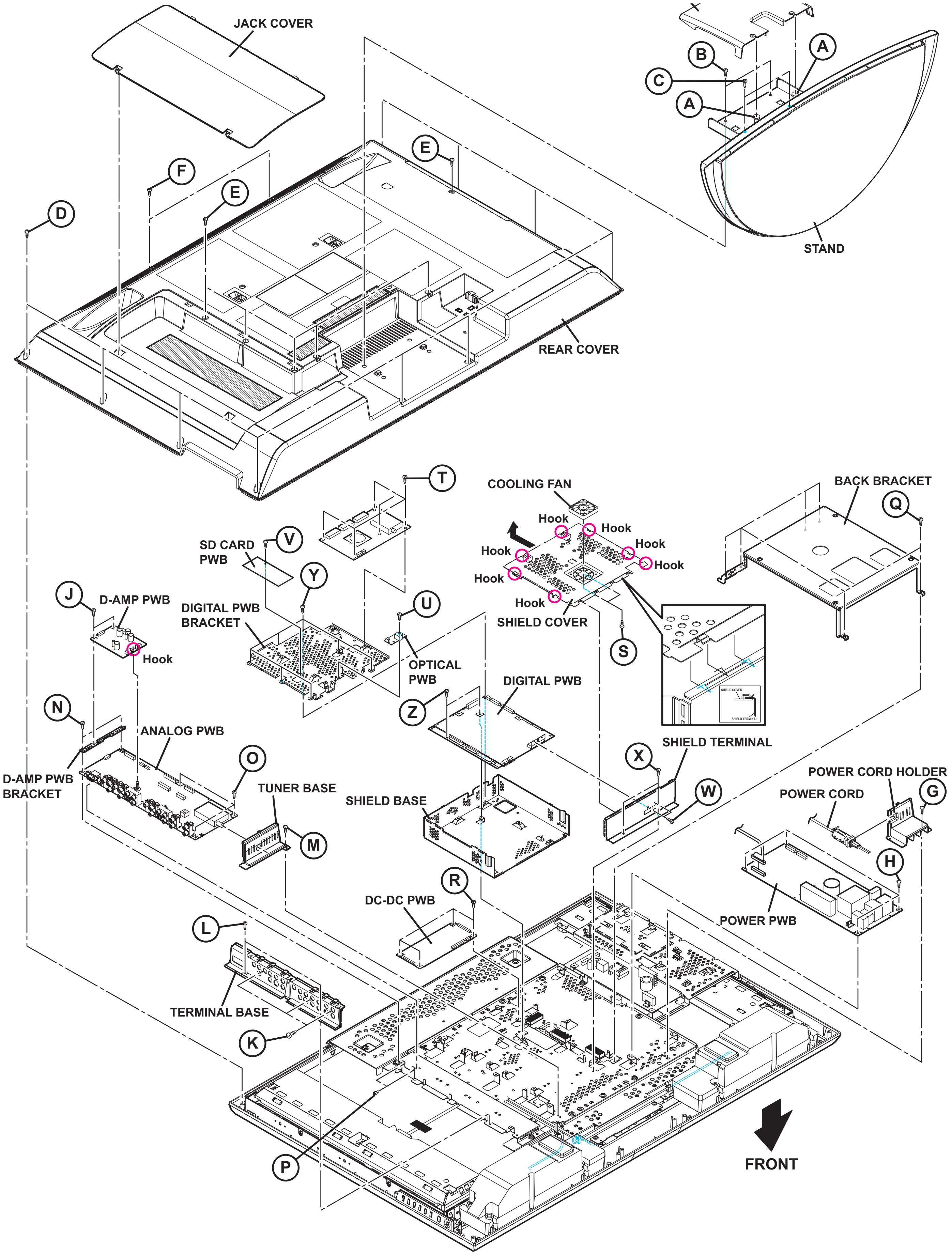

JACK COVER
A
B
C
A
STAND
F
E
E
D
REAR COVER
T
COOLING FAN
BACK BRACKET
Hook
Hook
Hook
Hook
Hook
Hook
Hook
Q
SD CARD PWB
V
Y
J
D-AMP PWB
DIGITAL PWB BRACKET
U
SHIELD COVER
S
Hook
OPTICAL PWB
DIGITAL PWB
SHIELD COVER
SHIELD TERMINAL
N
Z
ANALOG PWB
SHIELD TERMINAL
X
POWER CORD HOLDER
D-AMP PWB BRACKET
O
TUNER BASE
W
POWER CORD
G
SHIELD BASE
M
H
R
DC-DC PWB
POWER PWB
L
TERMINAL BASE
K
FRONT
P

Fig.1

### 3.1.12 REMOVING THE SPEAKER (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 6 screws **[A]**.
  (2) Remove the SPEAKER (L /R).

**NOTE:**

- Since the speaker is attached in a certain direction, attach the speaker in the same correct direction as it has been attached.
- When the speaker is decomposed, the performance cannot be kept.

### 3.1.13 REMOVING THE SW PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 3 screw **[B]**.
  (2) Remove the CONTROL ASSY with the SW PWB.
  (3) Remove the SW PWB.

### 3.1.14 REMOVING THE LED PWB (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 2 screws **[C]**.
  (2) Remove the LED PWB.

### 3.1.15 REMOVING THE LED LENS (Fig.2)

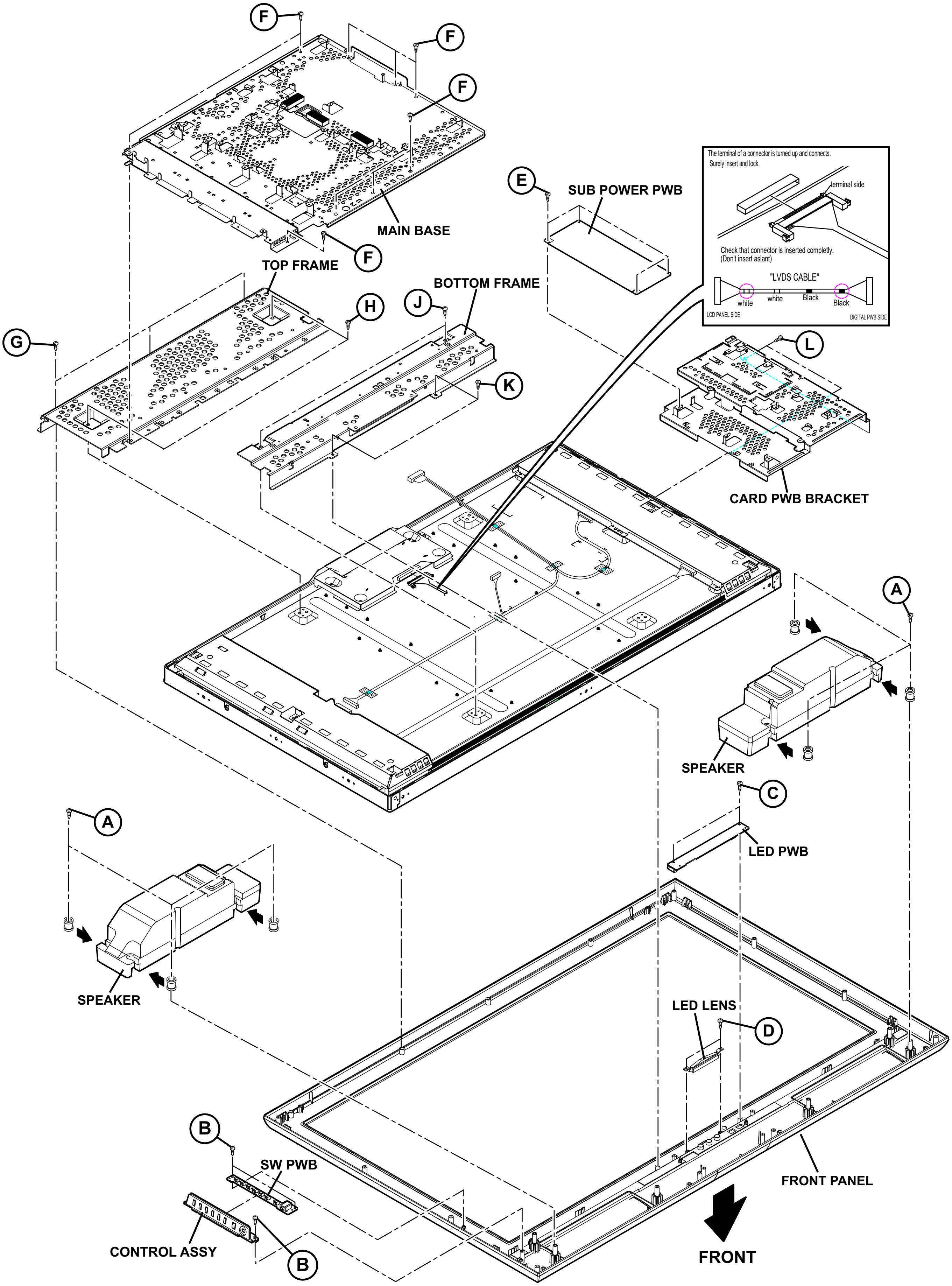
- Remove the STAND.
- Remove the REAR COVER.
- Remove the LED PWB.
  (1) Remove the 2 screws **[D]**.
  (2) Remove the LED LENS.

### 3.1.16 REMOVING THE SUB POWER PWB (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 4 screws **[E]**.
  (2) Remove the SUB POWER PWB.

### 3.1.17 REMOVING THE LCD PANEL UNIT (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
  (1) Remove the 9 screws **[F]**.
  (2) Remove the MAIN BASE.
  (3) Remove the 3 screws **[G]** and 2 screw **[H]**.
  (4) Remove the TOP FARAME.
  (5) Remove the 2 screws **[J]** and 2 screw **[K]**.
  (6) Remove the BOTTOM FARAME.
  (7) Remove the LCD PANEL UNIT from the FRONT PANEL.
  (8) Remove the 2 screws **[L]**.
  (9) Remove the CARD PWB BRACKET from the LCD PANEL UNIT.


The terminal of a connector is turned up and connects.
Surely insert and lock.

Check that connector is inserted complelty.
(Don't insert aslant)

F
F
F
F
MAIN BASE
E
SUB POWER PWB
terminal side
"LVDS CABLE"
white
white
Black
Black
LCD PANEL SIDE
DIGITAL PWB SIDE
TOP FRAME
BOTTOM FRAME
H
J
G
K
L
CARD PWB BRACKET
A
SPEAKER
C
A
LED PWB
SPEAKER
LED LENS
D
B
SW PWB
FRONT PANEL
CONTROL ASSY
B
FRONT

Fig.2

## 3.2 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

### 3.2.1 MEMORY IC TABLE

| Simbol | Number of pins | Mounting PWB | Main content of data |
|---|---|---|---|
| IC7201 | 48-pin | DIGITAL PWB | Progaram(Video process) of IC6001(System CPU) is memorized. |
| IC7602 | 8-pin | DIGITAL PWB | Setting value of IC7601(MAIN CPU) is memorized. |

### 3.2.2 MEMORY IC REPLACEMENT PROCEDURE

**1. Power off**
Switch off the power and disconnect the power plug from the AC outlet.

**2. Replace the memory IC**
Be sure to use the memory IC written with the initial setting values.

**3. Power on**
Connect the power plug to the AC outlet and switch on the power.

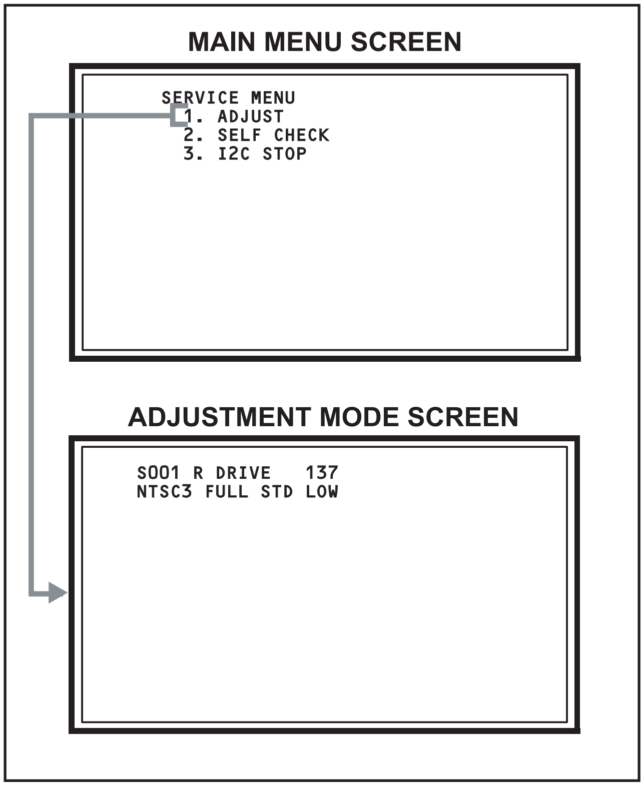
**4. Receiving channel setting**
Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

**5. User setting**
Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

**6. SERVICE MODE setting**
Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

### 3.2.3 SERVICE MODE SETTING

**■SERVICE MODE SCREEN**



```
S001 R DRIVE   137
NTSC3 FULL STD LOW
```

Fig.1

**■SETTING ITEM**

| Setting items | Settings | Item No. |
|---|---|---|
| Video system setting | Adjust | S001 - S009 |
| Audio system setting | Adjust | T001 - T003 |
| Main CPU system setting | Fixed | M001 - M224 |
| Drive system setting | Fixed | F001 - F002 |
| **(Not used)** | Fixed | D001 |
| **(Not used)** | Fixed | Z001 |

### 3.2.4 SETTINGS OF FACTORY SHIPMENT

#### 3.2.4.1 BUTTON OPERATION

| Setting item | Setting position |
|---|---|
| POWER | Off |
| CHANNEL | CABLE-02 |
| VOLUME | 10 |
| INPUT | TV |

#### 3.2.4.2 REMOTE CONTROL DIRECT OPERATION

| Setting item | | Setting position |
|---|---|---|
| INPUT | | TV |
| CHANNEL | | CABLE-02 |
| VOLUME | | 10 |
| MUTING | | OFF |
| DISPLAY | | OFF |
| ASPECT | NTSC | PANORAMA |
| | HD / ATSC | FULL |
| SLEEP TIMER | | OFF |
| THEATER PRO | | OFF |
| NATURAL CINEMA | | AUTO |
| VIDEO STATUS | | DYNAMIC |
| MTS | | STEREO |
| SOUND EFFECT | A.H.S.+ | OFF |
| | A.T.C | ON |
| | SMART SOUND | OFF |
| | MaxxBass | OFF |

#### 3.2.4.3 REMOTE CONTROL MENU OPERATION

**1. PICTURE ADJUST**

Customers can adjust the picture setting of menu screen as their own like but the picture standard value during factory shipment is as below.

**< NTSC MODE >**

| Setting item | DYNAMIC | STANDARD | GAME | THEATER |
|---|---|---|---|---|
| PICTURE | +10 | 00 | -10 | 00 |
| BRIGHT | 00 | 00 | 00 | 00 |
| COLOR | 00 | 00 | 00 | 00 |
| TINT | 00 | 00 | 00 | 00 |
| DETAIL | +04 | 00 | 00 | 00 |
| ENERGY SAVER MODE | +30 | +15 | 00 | -10 |
| COLOR TEMPERATURE | HIGH | LOW | HIGH | HIGH |
| COLOR MANAGEMENT | ON | ON | ON | ON |
| DYNAMIC GAMMA | ON | ON | ON | ON |
| SMART PICTURE | OFF | ON | ON | ON |
| DIGITAL VNR | AUTO | AUTO | AUTO | AUTO |
| MPEG NR | ON | ON | ON | ON |
| SMART SENSOR | OFF | OFF | OFF | OFF |
| SENSOR EFFECT | OFF | OFF | OFF | OFF |

**< HD MODE >**

| Setting item | DYNAMIC | STANDARD | GAME | THEATER |
|---|---|---|---|---|
| PICTURE | +10 | 00 | -10 | 00 |
| BRIGHT | 00 | 00 | 00 | 00 |
| COLOR | 00 | 00 | 00 | 00 |
| TINT | 00 | 00 | 00 | 00 |
| DETAIL | +04 | 00 | 00 | 00 |
| ENERGY SAVER MODE | +30 | +15 | 00 | -10 |
| COLOR TEMPERATURE | HIGH | LOW | HIGH | LOW |
| COLOR MANAGEMENT | ON | ON | ON | ON |
| DYNAMIC GAMMA | ON | ON | ON | ON |
| SMART PICTURE | OFF | ON | ON | ON |
| DIGITAL VNR | AUTO | AUTO | AUTO | AUTO |
| MPEG NR | ON | ON | ON | ON |
| SMART SENSOR | OFF | OFF | OFF | OFF |
| SENSOR EFFECT | OFF | OFF | OFF | OFF |

**2. SOUND ADJUST**

| Setting item | Setting position |
|---|---|
| BASS | 00 |
| TREBLE | 00 |
| BALANCE | 00 |
| TURN ON VOLUME | Current |
| VOLUME LIMIT | 50 |

**3. CLOCK / TIMERS**

| Setting item | Setting position |
|---|---|
| ON / OFF TIMER | OFF |

**4. INITIAL SETUP**

| Setting item | Setting position |
|---|---|
| DIGITAL-IN | AUTO |
| DIGITAL-IN1 AUDIO | AUTO |
| NOISE MUTING | ON |
| FRONT PANEL LOCK | OFF |
| V1 SMART INPUT | OFF |
| VIDEO INPUT LABEL | All blank |
| POSITION ADJUSTMENT | Center |
| POWER INDICATOR | HIGH |
| LANGUAGE | ENG. |
| CLOSED CAPTION | OFF |
| AUTO SHUT OFF | OFF |
| XDS ID | ON |
| V-CHIP | OFF |

## 3.3 REPLACEMENT OF CHIP COMPONENT

### 3.3.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

### 3.3.2 SOLDERING IRON

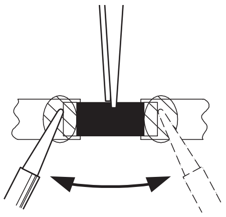
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

### 3.3.3 REPLACEMENT STEPS

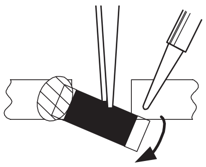
#### 1. How to remove Chip parts

**[Resistors, capacitors, etc.]**

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

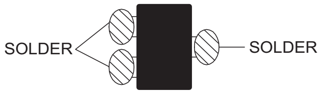


(2) Shift with the tweezers and remove the chip part.

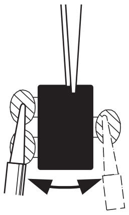


**[Transistors, diodes, variable resistors, etc.]**

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



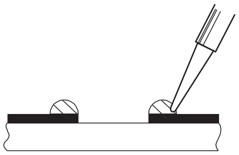
**NOTE :**

After removing the part, remove remaining solder from the pattern.

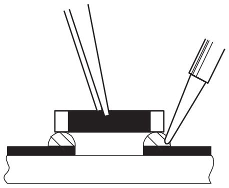
#### 2. How to install Chip parts

**[Resistors, capacitors, etc.]**

(1) Apply solder to the pattern as indicated in the figure.

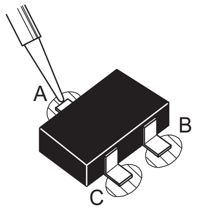


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

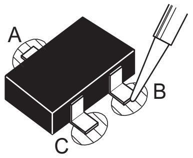


**[Transistors, diodes, variable resistors, etc.]**

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



# SECTION 4
# ADJUSTMENT

## 4.1 ADJUSTMENT PREPARATION

(1) **There are 2 ways of adjusting this TV : One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.**

(2) **The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.**

(3) Make sure that connection is correctly made AC to AC power source.

(4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.

(5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.

(6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

## 4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

| Setting item | Settings |
|---|---|
| VIDEO STATUS | STANDARD |
| BRIGHT / CONTRAST / COLOR / TINT | 00 |
| COLOR TEMPERATURE | LOW |
| DIG. NOISE CLEAR | OFF |
| COLOR MANAGEMENT | ON |
| NATURAL CINEMA | OFF |
| TREBLE / BASS / BALANCE | 00 |
| SMART SOUND | OFF |
| MTS | STEREO |
| A.H.S.+ | OFF |
| MaxxBase | OFF |
| ASPECT | FULL |

## 4.3 MEASURING INSTRUMENT AND FIXTURES

- Signal generator (Pattern generator) [NTSC]
- TV audio multiplex signal generator
- Remote control unit

## 4.4 ADJUSTMENT ITEMS

### ■ VIDEO CIRCUIT

- WHITE BALANCE (HIGHLIGHT) adjustment

### ■ MTS CIRCUIT

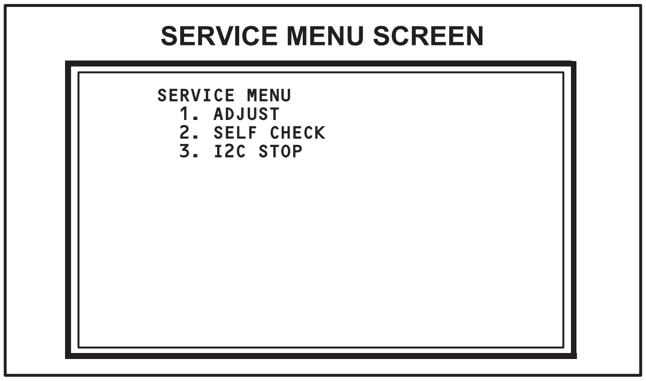
- MTS INPUT LEVEL adjustment
- MTS SEPARATION adjustment

## 4.5 BASIC OPERATION OF SERVICE MODE

### 4.5.1 HOW TO ENTER THE SERVICE MODE

(1) Set to 0 minutes using the **[SLEEP TIMER]** key.

(2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the SERVICE MODE (Fig.1)



SERVICE MENU SCREEN

```
SERVICE MENU
  1. ADJUST
  2. SELF CHECK
  3. I2C STOP
```

Fig.1

**NOTE:**

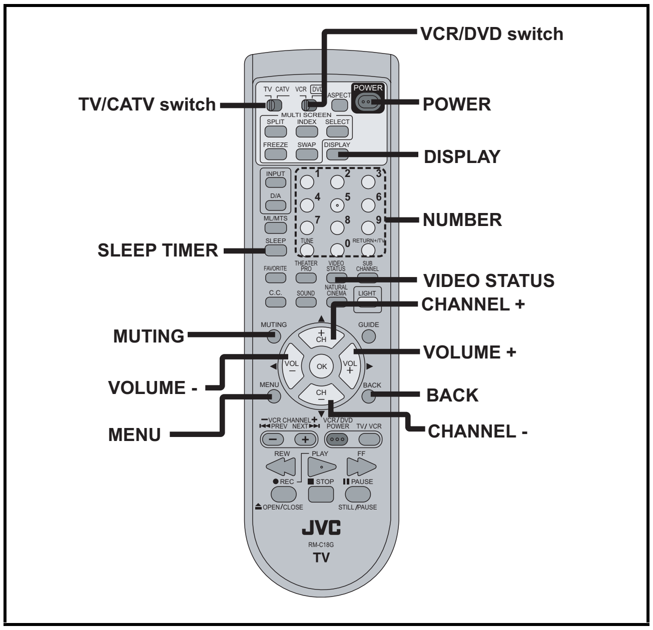
- Before entering the SERVICE MODE, confirm that the setting of **TV/CATV** switch of the REMOTE CONTROL UNIT is at the "TV" side and the setting of **VCR/DVD** switch is at the "**VCR**" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.
- When a number key other than the **[1]** keys is pressed in the SERVICE MENU SCREEN, the other relevant screen may be displayed.

  This is not used in the adjustment procedure. Press the **[MENU]** key to return to the SERVICE MENU SCREEN.

### 4.5.2 HOW TO EXIT THE SERVICE MODE

Press the **[BACK]** key to exit the Service mode.

### 4.5.3 SERVICE MODE SELECT KEY LOCATION



### 4.5.4 ADJUSTMENT MODE

This mode is used to adjust the VIDEO CIRCUIT and the MTS CIRCUIT.

#### 4.5.4.1 HOW TO ENTER THE ADJUSTMENT MODE

When the SERVICE MENU SCREEN of SERVICE MODE is displayed, press **[1]** key to enter the **ADJUSTMENT MODE**.

#### 4.5.4.2 DESCRIPTION OF STATUS DISPLAY OF ADJUSTMENT MODE

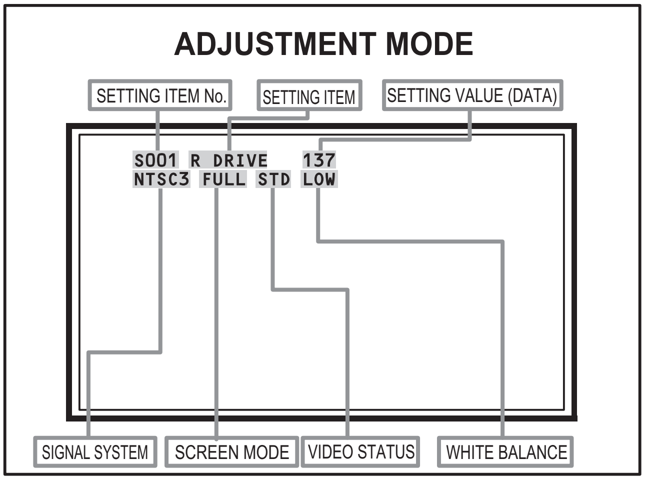


Fig.2

**(1) SIGNAL SYSTEM**

The signal displayed on the screen is displayed.

NTSC3 : 525i (Composite / S-video input)
525I : 525i (Component input)
525P : 525p
1125I6 : 1125i
750P : 750p
PCVGA : PC (VGA)
PCXGA : PC (XGA)
H525I : HDMI 525i
H525P : HDMI 525p
H125I6 : HDMI 1125i
H750P : HDMI 750p
D525I : ATSC 525i
D525P : ATSC 525p
D125I6 : ATSC 1125i

**(2) SCREEN MODE**

State of the SCREEN SIZE or MULTI PICTURE is displayed.

**SINGLE SCREEN**

FULL : FULL
1609 : CINEMA, CINEMA ZOOM
PANO : PANORAMA, HD PANORAMA
REGU : REGULAR, SLIM

**MULTI SCREEN**

M2 : SPLIT, FREEZE screen
M12 : INDEX screen

**(3) VIDEO STATUS**

STD : STANDARD
DYN : DYNAMIC
TH : THEATER
GAME : GAME

**(4) WHITE BALANCE**

HIGH : HIGH
LOW : LOW

**(5) SETTING ITEM NAME**

Setting item name are displayed. The setting item numbers to be displayed are listed below.

| Item No. | Setting item |
|---|---|
| S001 - S009 | Video system setting |
| T001 - T003 | Audio system setting |
| M001 - M224 | Main CPU system setting |
| F001 - F002 | Drive system setting |
| D001 | (NOT USED) |
| Z001 | (NOT USED) |

**(6) SETTING ITEM NO.**

Setting item numbers are displayed. For the setting item names to be displayed, refer to "Initial setting value of adjustment mode".

**(7) SETTING VALUE (DATA)**

The SETTING VALUE is displayed.

#### 4.5.4.3 CHANGE AND MEMORY OF SETTING VALUE

**■SELECTION OF SETTING ITEM**

- **[CH+]** / **[CH-]** key.
  Change the setting items up/ down.

S001... ↔ T001... ↔ M001... ↔ F001... ↔ D001... ↔ Z001...

- **[SLEEP TIMER]** key.
  Switches to the next items.

S001 → T001 → M001... → F001... → D001 → Z001

**■CHANGE OF SETTING VALUE (DATA)**

- **[VOL+]** / **[VOL-]** key.
  Change the setting values up/down.

**■MEMORY OF SETTING VALUE (DATA)**

Changed setting value is memorized by pressing **[MUTING]** key.

## 4.6 INITIAL SETTING VALUES IN THE SERVICE MODE

- Perform fine-tuning based on the "initial values" using the remote control when in the Service mode.
- The "initial values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

### 4.6.1 VIDEO SYSTEM SETTING

| Item No. | Item | Variable range | Setting value |
|---|---|---|---|
| S001 | R DRIVE | 000 - 255 | 137 |
| S002 | G DRIVE | 000 - 255 | 130 |
| S003 | B DRIVE | 000 - 255 | 111 |
| S004 | RESREV | 000 - 255 | 000 |
| S005 | RESREV | 000 - 255 | 000 |
| S006 | RESREV | 000 - 255 | 002 |
| S007 | RESREV | 000 - 255 | 002 |
| S008 | RESREV | 000 - 255 | 002 |
| S009 | RESREV | 000 - 255 | 002 |

### 4.6.2 AUDIO SYSTEM SETTING

| Item No. | Item | Variable range | Setting value |
|---|---|---|---|
| T001 | INPLEVEL | 000 - 015 | 007 |
| T002 | LOWSEPA | 000 - 063 | 033 |
| T003 | HIGHSEPA | 000 - 063 | 020 |

### 4.6.3 MAIN CPU SYSTEM SETTING (Fixed values)

| Item No. | Item | Variable range | Setting value |
|---|---|---|---|
| M001 | 1E00 | 00 - FF | 00 |
| M002 | 1E01 | 00 - FF | 00 |
| M003 | 1E02 | 00 - FF | 05 |
| M004 | 1E03 | 00 - FF | 20 |
| M005 | 1E04 | 00 - FF | 10 |
| M006 | 1E05 | 00 - FF | 00 |
| M007 | 1E06 | 00 - FF | 00 |
| M008 | 1E07 | 00 - FF | 00 |
| M009 | 1E08 | 00 - FF | 00 |
| M010 | 1E09 | 00 - FF | 00 |
| M011 | 1E0A | 00 - FF | 01 |
| M012 | 1E0B | 00 - FF | 00 |
| M013 | 1E0C | 00 - FF | 01 |
| M014 | 1E0D | 00 - FF | 00 |
| M015 | 1E0E | 00 - FF | 00 |
| M016 | 1E0F | 00 - FF | 00 |
| M017 | 1E10 | 00 - FF | 00 |
| M018 | 1E11 | 00 - FF | 00 |
| M019 | 1E12 | 00 - FF | 00 |
| M020 | 1E13 | 00 - FF | 01 |
| M021 | 1E14 | 00 - FF | 00 |
| M022 | 1E15 | 00 - FF | 00 |
| M023 | 1E16 | 00 - FF | 00 |
| M024 | 1E17 | 00 - FF | 00 |

| Item No. | Item | Variable range | Setting value |
|---|---|---|---|
| M025 | 1E18 | 00 - FF | 00 |
| M026 | 1E19 | 00 - FF | 00 |
| M027 | 1E1A | 00 - FF | 00 |
| M028 | 1E1B | 00 - FF | 00 |
| M029 | 1E1C | 00 - FF | 00 |
| M030 | 1E1D | 00 - FF | 00 |
| M031 | 1E1E | 00 - FF | 00 |
| M032 | 1E1F | 00 - FF | 00 |
| M033 | 1E20 | 00 - FF | 00 |
| M034 | 1E21 | 00 - FF | 00 |
| M035 | 1E22 | 00 - FF | 00 |
| M036 | 1E23 | 00 - FF | 00 |
| M037 | 1E24 | 00 - FF | 00 |
| M038 | 1E25 | 00 - FF | 00 |
| M039 | 1E26 | 00 - FF | 00 |
| M040 | 1E27 | 00 - FF | 00 |
| M041 | 1E28 | 00 - FF | 00 |
| M042 | 1E29 | 00 - FF | 00 |
| M043 | 1E2A | 00 - FF | 00 |
| M044 | 1E2B | 00 - FF | 00 |
| M045 | 1E2C | 00 - FF | 00 |
| M046 | 1E2D | 00 - FF | 00 |
| M047 | 1E2E | 00 - FF | 00 |
| M048 | 1E2F | 00 - FF | 00 |
| M049 | 1E30 | 00 - FF | 00 |
| M050 | 1E31 | 00 - FF | 00 |
| M051 | 1E32 | 00 - FF | 00 |
| M052 | 1E33 | 00 - FF | 00 |
| M053 | 1E34 | 00 - FF | 00 |
| M054 | 1E35 | 00 - FF | 00 |
| M055 | 1E36 | 00 - FF | 02 |
| M056 | 1E37 | 00 - FF | 00 |
| M057 | 1E38 | 00 - FF | 01 |
| M058 | 1E39 | 00 - FF | 02 |
| M059 | 1E3A | 00 - FF | 10 |
| M060 | 1E3B | 00 - FF | 83 |
| M061 | 1E3C | 00 - FF | 00 |
| M062 | 1E3D | 00 - FF | 00 |
| M063 | 1E3E | 00 - FF | 00 |
| M064 | 1E3F | 00 - FF | 00 |
| M065 | 1E40 | 00 - FF | 00 |
| M066 | 1E41 | 00 - FF | 00 |

| Item No. | Item | Variable range | Setting value |
|---|---|---|---|
| M067 | 1E42 | 00 - FF | 00 |
| M068 | 1E43 | 00 - FF | 03 |
| M069 | 1E44 | 00 - FF | 03 |
| M070 | 1E45 | 00 - FF | 03 |
| M071 | 1E46 | 00 - FF | 3F |
| M072 | 1E47 | 00 - FF | 01 |
| M073 | 1E48 | 00 - FF | 00 |
| M074 | 1E49 | 00 - FF | 00 |
| M075 | 1E4A | 00 - FF | 00 |
| M076 | 1E4B | 00 - FF | 00 |
| M077 | 1E4C | 00 - FF | 00 |
| M078 | 1E4D | 00 - FF | 00 |
| M079 | 1E4E | 00 - FF | 00 |
| M080 | 1E4F | 00 - FF | 00 |
| M081 | 1E50 | 00 - FF | 00 |
| M082 | 1E51 | 00 - FF | 00 |
| M083 | 1E52 | 00 - FF | 00 |
| M084 | 1E53 | 00 - FF | 00 |
| M085 | 1E54 | 00 - FF | 00 |
| M086 | 1E55 | 00 - FF | 00 |
| M087 | 1E56 | 00 - FF | 00 |
| M088 | 1E57 | 00 - FF | 00 |
| M089 | 1E58 | 00 - FF | 00 |
| M090 | 1E59 | 00 - FF | 00 |
| M091 | 1E5A | 00 - FF | 00 |
| M092 | 1E5B | 00 - FF | 00 |
| M093 | 1E5C | 00 - FF | 00 |
| M094 | 1E5D | 00 - FF | 00 |
| M095 | 1E5E | 00 - FF | 00 |
| M096 | 1E5F | 00 - FF | 00 |
| M097 | 1E60 | 00 - FF | 00 |
| M098 | 1E61 | 00 - FF | 00 |
| M099 | 1E62 | 00 - FF | 00 |
| M100 | 1E63 | 00 - FF | 00 |
| M101 | 1E64 | 00 - FF | 00 |
| M102 | 1E65 | 00 - FF | 00 |
| M103 | 1E66 | 00 - FF | 00 |
| M104 | 1E67 | 00 - FF | 00 |
| M105 | 1E68 | 00 - FF | 04 |
| M106 | 1E69 | 00 - FF | 03 |
| M107 | 1E6A | 00 - FF | 02 |
| M108 | 1E6B | 00 - FF | 00 |
| M109 | 1E6C | 00 - FF | 00 |
| M110 | 1E6D | 00 - FF | 00 |
| M111 | 1E6E | 00 - FF | 00 |
| M112 | 1E6F | 00 - FF | 00 |

| Item No. | Item | Variable range | Setting value |
|---|---|---|---|
| M113 | 1E70 | 00 - FF | 00 |
| M114 | 1E71 | 00 - FF | 00 |
| M115 | 1E72 | 00 - FF | 00 |
| M116 | 1E73 | 00 - FF | 00 |
| M117 | 1E74 | 00 - FF | 00 |
| M118 | 1E75 | 00 - FF | 00 |
| M119 | 1E76 | 00 - FF | 00 |
| M120 | 1E77 | 00 - FF | 0F |
| M121 | 1E78 | 00 - FF | 13 |
| M122 | 1E79 | 00 - FF | 00 |
| M123 | 1E7A | 00 - FF | 00 |
| M124 | 1E7B | 00 - FF | 00 |
| M125 | 1E7C | 00 - FF | 00 |
| M126 | 1E7D | 00 - FF | 00 |
| M127 | 1E7E | 00 - FF | 01 |
| M128 | 1E7F | 00 - FF | 00 |
| M129 | 1E80 | 00 - FF | 01 |
| M130 | 1E81 | 00 - FF | 00 |
| M131 | 1E82 | 00 - FF | 01 |
| M132 | 1E83 | 00 - FF | 00 |
| M133 | 1E84 | 00 - FF | 00 |
| M134 | 1E85 | 00 - FF | 00 |
| M135 | 1E86 | 00 - FF | 00 |
| M136 | 1E87 | 00 - FF | 00 |
| M137 | 1E88 | 00 - FF | 00 |
| M138 | 1E89 | 00 - FF | 00 |
| M139 | 1E8A | 00 - FF | 00 |
| M140 | 1E8B | 00 - FF | 00 |
| M141 | 1E8C | 00 - FF | 00 |
| M142 | 1E8D | 00 - FF | 00 |
| M143 | 1E8E | 00 - FF | 00 |
| M144 | 1E8F | 00 - FF | 00 |
| M145 | 1E90 | 00 - FF | 00 |
| M146 | 1E91 | 00 - FF | 00 |
| M147 | 1E92 | 00 - FF | 00 |
| M148 | 1E93 | 00 - FF | 00 |
| M149 | 1E94 | 00 - FF | 00 |
| M150 | 1E95 | 00 - FF | 00 |
| M151 | 1E96 | 00 - FF | 00 |
| M152 | 1E97 | 00 - FF | 00 |
| M153 | 1E98 | 00 - FF | 00 |
| M154 | 1E99 | 00 - FF | 00 |
| M155 | 1E9A | 00 - FF | 01 |
| M156 | 1E9B | 00 - FF | 00 |
| M157 | 1E9C | 00 - FF | 03 |
| M158 | 1E9D | 00 - FF | 00 |

| Item No. | Item | Variable range | Setting value |
|---|---|---|---|
| M159 | 1E9E | 00 - FF | 00 |
| M160 | 1E9F | 00 - FF | 00 |
| M161 | 1EA0 | 00 - FF | 00 |
| M162 | 1EA1 | 00 - FF | 00 |
| M163 | 1EA2 | 00 - FF | 01 |
| M164 | 1EA3 | 00 - FF | 00 |
| M165 | 1EA4 | 00 - FF | 00 |
| M166 | 1EA5 | 00 - FF | 00 |
| M167 | 1EA6 | 00 - FF | 00 |
| M168 | 1EA7 | 00 - FF | 00 |
| M169 | 1EA8 | 00 - FF | 00 |
| M170 | 1EA9 | 00 - FF | 00 |
| M171 | 1EAA | 00 - FF | 00 |
| M172 | 1EAB | 00 - FF | 00 |
| M173 | 1EAC | 00 - FF | 0A |
| M174 | 1EAD | 00 - FF | 00 |
| M175 | 1EAE | 00 - FF | 00 |
| M176 | 1EAF | 00 - FF | 00 |
| M177 | 1EB0 | 00 - FF | 00 |
| M178 | 1EB1 | 00 - FF | 00 |
| M179 | 1EB2 | 00 - FF | 01 |
| M180 | 1EB3 | 00 - FF | 00 |
| M181 | 1EB4 | 00 - FF | 00 |
| M182 | 1EB5 | 00 - FF | 00 |
| M183 | 1EB6 | 00 - FF | 00 |
| M184 | 1EB7 | 00 - FF | 00 |
| M185 | 1EB8 | 00 - FF | 00 |
| M186 | 1EB9 | 00 - FF | 00 |
| M187 | 1EBA | 00 - FF | 00 |
| M188 | 1EBB | 00 - FF | 00 |
| M189 | 1EBC | 00 - FF | 00 |
| M190 | 1EBD | 00 - FF | 00 |
| M191 | 1EBE | 00 - FF | 00 |
| M192 | 1EBF | 00 - FF | 00 |
| M193 | 1EC0 | 00 - FF | 00 |
| M194 | 1EC1 | 00 - FF | 00 |
| M195 | 1EC2 | 00 - FF | 01 |
| M196 | 1EC3 | 00 - FF | 00 |
| M197 | 1EC4 | 00 - FF | 00 |
| M198 | 1EC5 | 00 - FF | 00 |
| M199 | 1EC6 | 00 - FF | 00 |
| M200 | 1EC7 | 00 - FF | 00 |
| M201 | 1EC8 | 00 - FF | 01 |
| M202 | 1EC9 | 00 - FF | 00 |
| M203 | 1ECA | 00 - FF | 00 |
| M204 | 1ECB | 00 - FF | 00 |
| M205 | 1ECC | 00 - FF | 02 |
| M206 | 1ECD | 00 - FF | 00 |
| M207 | 1ECE | 00 - FF | 00 |
| M208 | 1ECF | 00 - FF | 00 |
| M209 | 1ED0 | 00 - FF | 10 |
| M210 | 1ED1 | 00 - FF | 00 |
| M211 | 1ED2 | 00 - FF | 00 |
| M212 | 1ED3 | 00 - FF | 00 |
| M213 | 1ED4 | 00 - FF | 00 |
| M214 | 1ED5 | 00 - FF | 00 |
| M215 | 1ED6 | 00 - FF | 00 |
| M216 | 1ED7 | 00 - FF | 00 |
| M217 | 1ED8 | 00 - FF | 00 |
| M218 | 1ED9 | 00 - FF | 00 |
| M219 | 1EDA | 00 - FF | 00 |
| M220 | 1EDB | 00 - FF | 00 |
| M221 | 1EDC | 00 - FF | 00 |
| M222 | 1EDD | 00 - FF | 00 |
| M223 | 1EDE | 00 - FF | 00 |
| M224 | 1EDF | 00 - FF | 00 |

### 4.6.4 DRIVE SYSTEM SETTING (Fixed values)

| Item No. | Item | Variable range | Setting value |
|---|---|---|---|
| F001 | DD | 000 - 001 | 000 |
| F002 | RAM REF | 000 - 001 | 000 |

### 4.6.5 NOT USED (Fixed values)

| Item No. | Item | Variable range | Setting value |
|---|---|---|---|
| D001 | RESREV | 000 - 255 | 002 |

### 4.6.6 NOT USED (Fixed values)

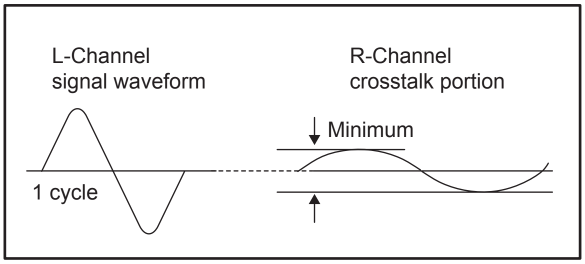
| Item No. | Item | Variable range | Setting value |
|---|---|---|---|
| Z001 | RESREV | 000 - 255 | 002 |

## 4.7 ADJUSTMENT PROCEDURE

### 4.7.1 VIDEO CIRCUIT

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **WHITE BALANCE (HIGHLIGHT)** | Remote control unit<br>Signal generator | | [1.ADJUST]<br>S030: R DRIVE (Red drive)<br>S031: G DRIVE (Green drive)<br>S032: B DRIVE (Blue drive) | (1) Receive a NTSC 75% all white signal.<br>(2) Set "VIDEO STATUS" to **"STANDARD"**.<br>(3) Set "ASPECT" to **"FULL"**.<br>(4) Select "COLOR TEMPERATURE" to **"LOW"**.<br>(5) Select **"1.ADJUST"** from the SERVICE MODE.<br>(6) Adjust to keep one of **< S030 >** (Red drive), **< S031 >** (Green drive) or **< S032 >** (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout.<br>**NOTE:**<br>Set one or more of **< S030 >**, **< S031 >**, and **< S032 >** to **"137"**.<br>(7) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it.<br>(8) Press the **[MUTING]** key to memoirze the set value. |

### 4.7.2 MTS CIRCUIT

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **MTS INPUT LEVEL** | Remote control unit | | [1.ADJUST]<br>T001: IN LEVEL | (1) Receive the any broadcast.<br>(2) Select **"1.ADJUST"** from the SERVICE MODE.<br>(3) Verify that the **< T001 >** (IN LEVEL) is set at its initial setting value.<br>(4) Press the **[MUTING]** key to memorize the set value. |
| **MTS SEPARATION** | TV audio multiplex signal generator<br>Oscilloscope<br>Remote control unit | L OUT<br>R OUT | [1.ADJUST]<br>T002: LOW SEP<br>T003: HI SEP | (1) Input the stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal.<br>(2) Connect an oscilloscope to **L OUT** pin of the **AUDIO OUT**, and display one cycle portion of the 300Hz signal.<br>(3) Change the connection of the oscilloscope to R OUT pin of the **AUDIO OUT**, and enlarge the voltage axis.<br>(4) Select **"1.ADJUST"** from the SERVICE MODE.<br>(5) Set the initial setting value of the **< T002 >** (LOW SEP).<br>(6) Adjust the **< T002 >** so that the stroke element of the 300Hz signal will become minimum.<br>(7) Change the signal to 3kHz, and similarly adjust the **< T003>** (HI SEP).<br>(8) Press the **[MUTING]** key to memorize the set value. |
|  L-Channel signal waveform<br>R-Channel crosstalk portion<br>Minimum<br>1 cycle | | | | |

# SECTION 5
# TROUBLESHOOTING

## 5.1 SELF CHECK FEATURE

### 5.1.1 OUTLINE

This unit comes with the "Self check" feature, which checks the operational state of the circuit and displays/saves it during failure.Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time. Diagnosis is displayed in 2 ways via screen display and LED flashes. Failure detection is based on input state of $I^2C$ bus and the various control lines connected to the main microcomputer.

### 5.1.2 HOW TO ENTER THE SELF CHECK MODE

Before entering the Self check Display mode, confirm that the setting of **TV/CATV** SW of the REMOTE CONTROL UNIT is at the **"TV"** side and the setting of **VCR/DVD** SW is at the **"VCR"** side. If the switches have not been properly set, you cannot enter the Self check Display mode.

(1) Set to "**0 minutes**" using the **[SLEEP TIMER]** key.
(2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the service mode.
(3) Press the **[2]** key (SELF CHECK) before the service mode screen disappears.
(4) Press the **[SLEEP TIMER]** key to enter Page 2 of the SELF CHECK MODE.
- When the **[RETURN+]** key pressed, the first page change screen.

**NOTE:**

When a number key other than the **[2]** key is pressed in the SERVICE MENU SCREEN, the other relevant screen may be displayed.
This is not used in the SELF CHECK. Press the **[MENU]** key to return to the SERVICE MENU SCREEN.

### 5.1.3 HOW TO EXIT THE SELF CHECK MODE

**TO SAVE FAILURE HISTORY:**

Turn off the power by unplugging the AC power cord plug when in the Self check display mode.

**TO CLEAR (RESET) FAILURE HISTORY:**

Turn off the power by pressing the **[POWER]** key on the remote control unit when in the Self check display mode.

### 5.1.4 FAILURE HISTORY

Failure history can be counted up to 9 times for each item. When the number exceeds 9, display will remain as 9. Failure history will be stored in the memory unless it has been deleted.

**NOTE:**

Only SYNC (with/without sync signals) will be neither counted nor stored.

### 5.1.5 POINTS TO NOTE WHEN USING THE SELF CHECK FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be diagnosed as "Abnormal" and displayed and counted as "NG".

(1) Temporary defective transmissions across circuits due to pulse interruptions
(2) Misalignment in the on/off timing of power for $I^2C$ bus (VCC) when turning on/off the main power.

Diagnosis may be impeded if a large number of items are displayed as "NG". As such, start Self check check only after 3 seconds in the case of receivers and 5 seconds in the case of panels upon turning on the power. If recurrences are expected, ensure to clear (reset) the failure history and record the new diagnosis reults.

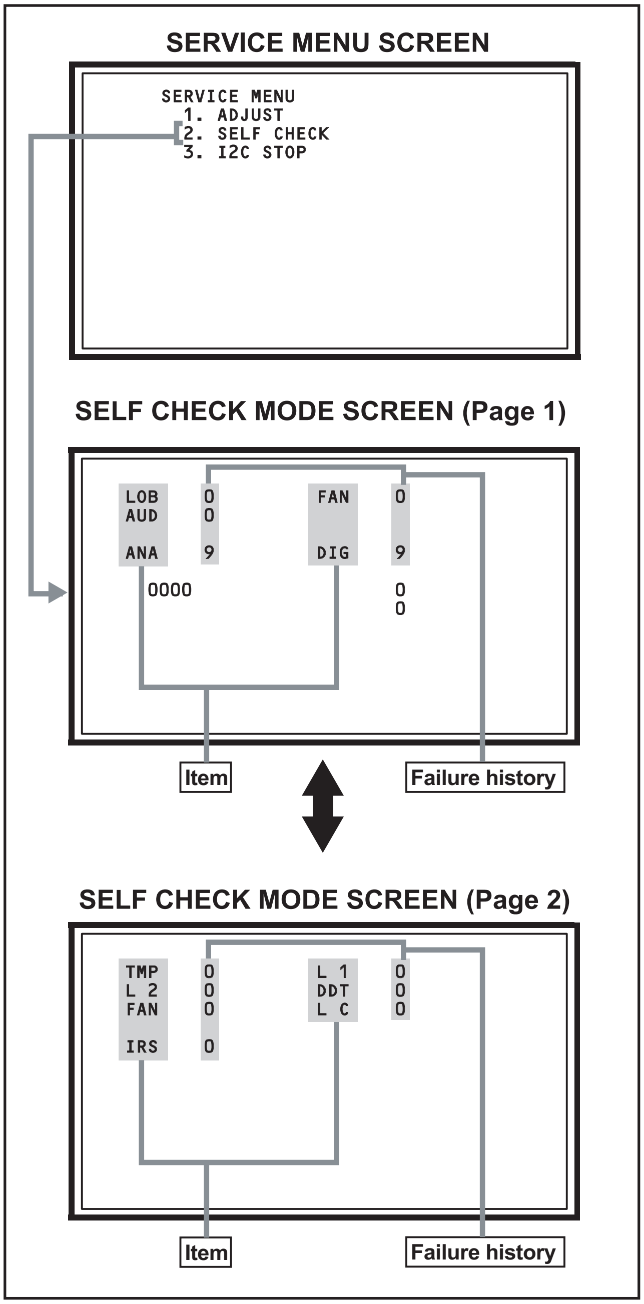


Fig.1

### 5.1.6 DETAILS

Self check is performed for the following items:

**< Page 1 of screen >**

| Detection item | Display | Detection content | Diagnosis signal (line) | Detection timing |
|---|---|---|---|---|
| Low bias line short protection | LOB | Confirm the operation of the low bais (16V / 5V / LCD5V / 3.3V / 1.2V) protection circuit.<br>Q9601, Q9651[POWER PWB] | LB_PRO | Detection starts 3 seconds after the power is turned on. If error continues between 200 ms the power is turned off. |
| Fan lock | FAN | Not used | ---- | ---- |
| Audio | AUD | Not used | ---- | ---- |
| Devices on the ANALOG PWB | ANA | Confirmation of reply of ACK signal which uses I2C communication.<br>IC101, IC102, IC381, IC601, IC606, TU3001<br>[ANALOG PWB] | SDA | If it checks whenever I2C communication is performed and no reply of ACK signal an error will be counted. |
| Devices on the DIGITAL PWB | DIG | Confirmation of reply of ACK signal which uses I2C communication.<br>[DIGITAL PWB] | SDA | If it checks whenever I2C communication is performed and no reply of ACK signal an error will be counted. |

**< Page 2 of screen >**

| Detection item | Display | Detection content | Diagnosis signal (line) | Detection timing |
|---|---|---|---|---|
| Temp. sensor | TEM | Not used | ---- | ---- |
| Lamp does not light up | L1 | Not used | ---- | ---- |
| Lamp goes out | L2 | Not used | ---- | ---- |
| Abnormal DD CPU circuit | DDT | Not used | ---- | ---- |
| Fan lock | FAN | Not used | ---- | ---- |
| Lamp cover open | LC | Not used | ---- | ---- |
| Abnormal of optical iris | IRS | Not used | ---- | ---- |

### 5.1.7 METHOD OF DISPLAY WHEN A RASTER IS NOT OUTPUT

In the state where a raster is not output by breakdown of the set, an error is displayed by blink of the POWER LED.

| Type of error | POWER LED flash cycle |
|---|---|
| Low bias line short protection | Blue LED turnig on and off at 1 second intervals. |
| ATSC TUNER fan lock detection | Blue LED turnig on and off at 2 second intervals. |
| CableCard error detection | Blue LED turnig on and off at 2 second intervals. |

**< Explanation of operation >**

If error is detected, the power is turned off.
Shortly after a power is turned off, POWER LED will be blinked.
Power cannot be turned on until the power cord takes out and inserts, after a power is turned off.

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Flat Panel Display Category 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

(No.YA430)

Printed in Japan
VPT

# PARTS LIST

## CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

| RESISTORS | | CAPACITORS | |
|---|---|---|---|
| CR | Carbon Resistor | C CAP. | Ceramic Capacitor |
| FR | Fusible Resistor | E CAP. | Electrolytic Capacitor |
| PR | Plate Resistor | M CAP. | Mylar Capacitor |
| VR | Variable Resistor | CH CAP. | Chip Capacitor |
| HV R | High Voltage Resistor | HV CAP. | High Voltage Capacitor |
| MF R | Metal Film Resistor | MF CAP. | Metalized Film Capacitor |
| MG R | Metal Glazed Resistor | MM CAP. | Metalized Mylar Capacitor |
| MP R | Metal Plate Resistor | MP CAP. | Metalized Polystyrol Capacitor |
| OM R | Metal Oxide Film Resistor | PP CAP. | Polypropylene Capacitor |
| CMF R | Coating Metal Film Resistor | PS CAP. | Polystyrol Capacitor |
| UNF R | Non-Flammable Resistor | TF CAP. | Thin Film Capacitor |
| CH V R | Chip Variable Resistor | MPP CAP. | Metalized Polypropylene Capacitor |
| CH MG R | Chip Metal Glazed Resistor | TAN. CAP. | Tantalum Capacitor |
| COMP. R | Composition Resistor | CH C CAP. | Chip Ceramic Capacitor |
| LPTC R | Linear Positive Temperature Coefficient Resistor | BP E CAP. | Bi-Polar Electrolytic Capacitor |
| | | CH AL E CAP. | Chip Aluminum Electrolytic Capacitor |
| | | CH AL BP CAP. | Chip Aluminum Bi-Polar Capacitor |
| | | CH TAN. E CAP. | Chip Tantalum Electrolytic Capacitor |
| | | CH AL BP E CAP. | Chip Tantalum Bi-Polar Electrolytic Capacitor |

| RESISTORS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| F | G | J | K | M | N | R | H | Z | P |
| ±1% | ±2% | ±5% | ±10% | ±20% | ±30% | +30%<br>-10% | +50%<br>-10% | +80%<br>-20% | +100%<br>-0% |

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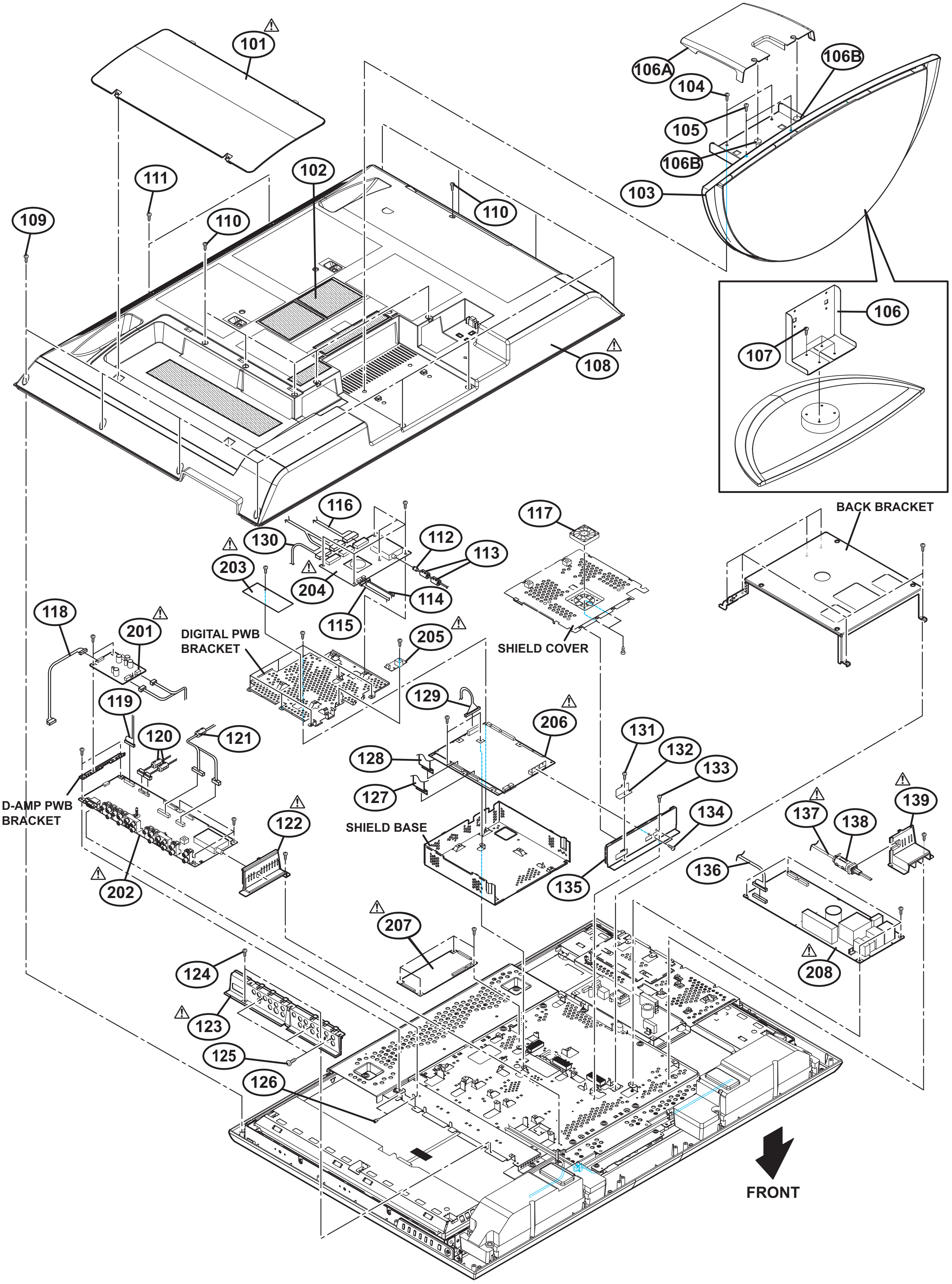
# USING P.W. BOARD & REMOTE CONTROL UNIT

| P.W.B ASS'Y name | P.W.B ASS'Y No. | | |
|---|---|---|---|
| | LT-40X667/S | LT-40X787/S | LT-40X887/S |
| ANALOG P.W.B | SFL-1312A-M2 | ← | ← |
| SD CARD P.W.B | SFL-1305A-M2 | ← | ← |
| OPTICAL P.W.B | SFL-2501A-M2 | ← | ← |
| D-AMP P.W.B | SFL-6302A-M2 | ← | ← |
| SW P.W.B | SFL-7210A-M2 | ← | ← |
| LED P.W.B | SFL-8712A-M2 | ← | ← |
| MAIN POWER P.W.B | SFL-9060A-M2 | ← | ← |
| DC-DC P.W.B | SFL-9161A-M2 | ← | ← |
| SUB POWER P.W.B | SFL-9711A-M2 | ← | ← |
| DIGITAL P.W.B | SFL0D189A-M2 | SFL0D186A-M2 | SFL0D171A-M2 |
| ATSC TUNER MODULE P.W.B | SSD-2204A-M2 | ← | ← |
| REMOTE CONTROL UNIT | RM-C18G-1H | ← | ← |

# EXPLODED VIEW PARTS LIST-1

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| ⚠ | 101 | LC12550-001A-0K | JACK COVER | | |
| | 102 | LC32925-002A-A | LICENSE LABEL | | |
| | 103 | LC42377-001A-C | STAND BASE UNIT | | LT-40X667S,LT-40X887S |
| | 103 | LC42289-001A-C | STAND BASE UNIT | | LT-40X787S |
| | 104 | QYSPSPD5016MA | SCREW | M5 x 16mm(x2) | |
| | 105 | QYSPSPD5020ZA | SCREW | M5 x 20mm(x2) | |
| | 106 | LC42378-001B-C | SUPPORT UNIT | Inc.106A/106B | |
| | 106A | T0148-01 | STAND COVER | | |
| | 106B | M0R-0909-C3-16 | SCREW | | |
| | 107 | QYSPSPD5016MA | SCREW | M5 x 16mm(x4) | |
| ⚠ | 108 | LC12601-007A-0K | REAR COVER ASSY | | |
| | 109 | QYSBSFG4016MA | TAP SCREW | M4 x 16mm(x10) | |
| | 110 | QYSBSF3010MA | TAP SCREW | M3 x 10mm(x6) | |
| | 111 | LC42446-002A | SCREW | (x2) | |
| | 112 | WJX0037-001A-E | E-COAXIAL ASSY | DIGITAL TUNER-ANALOG TUNER | |
| | 113 | QQR0490-001 | NOISE FILTER | (x2) | |
| | 114 | WJJ0721-001A-E | E-SI C WIRE C-C | ATSC TUNER MODULE CN1005-OPTICAL | |
| | 115 | WJJ0719-001A-E | E-SI C WIRE C-C | ATSC TUNER MODULE CN1004-SD CARD | |
| | 116 | WJJ0720-001A-E | E-SI C WIRE C-C | ATSC TUNER MODULE CN6001-DC-DC AT | |
| | 117 | QAR0370-002 | COOLING FAN | | |
| | 118 | QJJ064-100600-E | SIN CR C-C WIRE | ANALOG S-D-AMP CN00S | |
| | 119 | QJJ009-150710-E | SIN CR C-C WIRE | ANALOG H-DC-DC H | |
| | 120 | QQR0490-001 | NOISE FILTER | (x2) | |
| | 121 | QQR0917-001 | CORE FILTER | | |
| ⚠ | 122 | LC12507-002B-0K | TUNER BASE | | |
| ⚠ | 123 | LC12506-009B-0K | TERMINAL BASE | | |
| | 124 | LC42446-002A | SCREW | (x2) | |
| | 125 | QYSBSF3010MA | TAP SCREW | M3 x 10mm(x3) | |
| | 126 | QNB0036-001 | CONN ACCESSORY | (x2) | |
| | 127 | QUQL05-4009AA-E | FFC WIRE | DIGITAL CN002-ANALOG CN002 | |
| | 128 | QUQL05-5009AA-E | FFC WIRE | DIGITAL CN001-ANALOG CN001 | |
| | 129 | QJJ009-151010-E | SIN CR C-C WIRE | DIGITAL CN0DC-DC-DC DC | |
| | 130 | WJZ0216-001A-E | E-HARNESS ASSY | DIGITAL CN0ID-ATSC TUNER MODULE CN5004 | |
| | 131 | LC42446-001A | SCREW | | |
| | 132 | LC42340-001B-HK | SERVICE COVER | | |
| | 133 | LC42446-001A | SCREW | | |
| | 134 | QYSPSP3004ZA | SCREW | M3 x 4mm(x2) | |
| | 135 | LC12497-008A-HK | SHIELD TERMINAL | | |
| | 136 | QJJ009-151010-E | SIN CR C-C WIRE | MAIN POWER A-DC-DC A | |
| ⚠ | 137 | QMPD710-170-JC | POWER CORD(US/CA) | 1.7m BLACK | LT-40X667S |
| ⚠ | 137 | QMPD460-170-JC | POWER CORD(US/CA) | 1.7m BLACK | LT-40X787S,LT-40X887S |
| | 138 | QQR0491-001 | FERRITE CORE | | |
| ⚠ | 139 | LC22007-002A | POWER CORD HOLDER | | |
| ⚠ | 201 | SFL-6302A-M2 | D-AMP PWB | | |
| ⚠ | 202 | SFL-1312A-M2 | ANALOG PWB | | |
| ⚠ | 203 | SFL-1305A-M2 | SD CARD PWB | | |
| ⚠ | 204 | SSD-2204A-M2 | ATSC TUNER MODULE PWB | | |
| ⚠ | 205 | SFL-2501A-M2 | OPTICAL PWB | | |
| ⚠ | 206 | SFL0D189A-M2 | DIGITAL PWB | | LT-40X667S |
| ⚠ | 206 | SFL0D186A-M2 | DIGITAL PWB | | LT-40X787S |
| ⚠ | 206 | SFL0D171A-M2 | DIGITAL PWB | | LT-40X887S |
| ⚠ | 207 | SFL-9161A-M2 | DC-DC PWB | | |
| ⚠ | 208 | SFL-9060A-M2 | MAIN POWER PWB | | |

# EXPLODED VIEW -1



⚠
101
106A
104
106B
105
106B
103
102
111
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108
⚠
116
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130
112
113
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203
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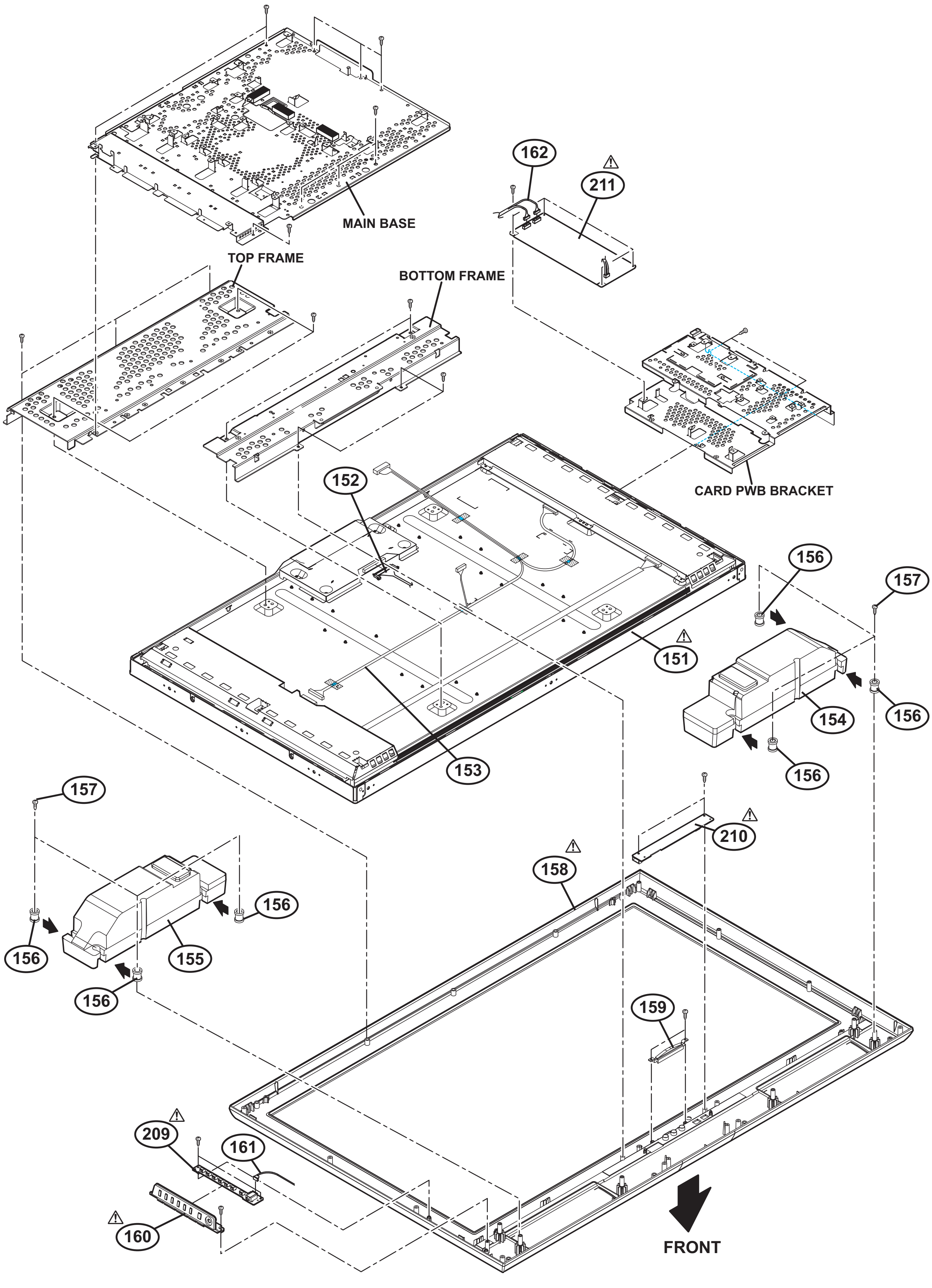
204
114
115
118
201
⚠
205
⚠
DIGITAL PWB
BRACKET
SHIELD COVER
BACK BRACKET
119
129
120
121
206
⚠
131
132
128
133
127
134
D-AMP PWB
BRACKET
122
⚠
SHIELD BASE
137
⚠
138
139
⚠
135
136
⚠
202
207
⚠
208
⚠
124
123
⚠
125
126
FRONT

# EXPLODED VIEW PARTS LIST -2

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| ⚠ | 151 | QLD0439-001-JIM | LCD PANEL UNIT | | |
| | 152 | WJW0041-003A-E | DIGITAL(LVDS) CABLE | DIGITAL CN0LV2-LCD PANEL UNIT | |
| | 153 | WJZ0203-001A-E | E-HARNESS ASSY | MAIN POEWR P-LCD PANEL UNIT | |
| | 154 | LC41913-006A-C | SPEAKER ASSY | LEFT | |
| | 155 | LC41913-005A-C | SPEAKER ASSY | RIGHT | |
| | 156 | LC40226-005A-H | SPACER | (x6) | |
| | 157 | LC41458-002A | TAPPING SCREW | (x6) | |
| ⚠ | 158 | LC12197-014A-0K | FRONT PANEL ASSY | | LT-40X667S,LT-40X887S |
| ⚠ | 158 | LC12197-015A-0K | FRONT PANEL ASSY | | LT-40X787S |
| | 159 | LC33125-001B-HK | LED LENS | | |
| ⚠ | 160 | LC33196-012A-0K | CONTROL ASSY | | LT-40X667S,LT-40X887S |
| ⚠ | 160 | LC33196-011A-0K | CONTROL ASSY | | LT-40X787S |
| | 161 | WJZ0229-001A-E | E-HARNESS ASSY | ANALOG R-SW CN100R | |
| | 162 | WJZ0180-001A-E | E-HARNESS ASSY | SUB POWER F-D-AMP CN10F | |
| ⚠ | 209 | SFL-7210A-M2 | SW PWB | | |
| ⚠ | 210 | SFL-8712A-M2 | LED PWB | | |
| ⚠ | 211 | SFL-9711A-M2 | SUB POWER PWB | | |

# EXPLODED VIEW -2



MAIN BASE
162
211
TOP FRAME
BOTTOM FRAME
CARD PWB BRACKET
152
156
157
151
154
156
153
156
157
210
158
156
155
156
156
159
209
161
160
FRONT

# PRINTED WIRING BOARD PARTS LIST [LT-40X667/S]

## ANALOG P.W. BOARD ASS'Y (SFL-1312A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC101 | R2S11004FT | IC | | |
| IC102 | R2S11003FT | IC | | |
| IC106 | CD4066BNS-X | IC | | |
| IC381 | M62320FP-X | IC | | |
| IC552 | PQ2L3152MS-X | IC | | |
| IC601 | NJW1182FP1 | IC | | |
| IC606 | M62320FP-X | IC | | |
| IC661 | MX3000CS-X | IC | | |
| IC751 | BH3547F-X | IC | | |
| IC902 | BA33BC0FP-X | IC | | |
| IC3101 | CXA2205Q-X | IC | | |
| Q101 | RT1N441C-X | TRANSISTOR | | |
| Q102 | RT1N441C-X | TRANSISTOR | | |
| Q106 | SSM3K17FU-X | MOS FET | | |
| Q107 | SSM3K17FU-X | MOS FET | | |
| Q108 | 2SC1623A/5-6/-X | TRANSISTOR | | |
| Q109 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q110 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q111 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q112 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q113 | 2SC1623A/5-6/-X | TRANSISTOR | | |
| Q281 | 2SA812A/5-6/-X | TRANSISTOR | | |
| Q431 | RT4N430C-X | DIGI TRANSISTOR | | |
| Q432 | RT4N430C-X | DIGI TRANSISTOR | | |
| Q433 | RT1P440C-X | DIGI TRANSISTOR | | |
| Q614 | 2SA812A/5-6/-X | TRANSISTOR | | |
| Q621 | 2SA812A/5-6/-X | TRANSISTOR | | |
| Q622 | 2SC1623A/5-6/-X | TRANSISTOR | | |
| Q751 | 2SA812A/5-6/-X | TRANSISTOR | | |
| Q752 | UN2226-X | DIGI TRANSISTOR | | |
| Q3001 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q3002 | 2SC3928A/QR/-X | TRANSISTOR | | |
| D105 | 1SS355W-X | DIODE | | |
| D281 | 1SS355W-X | DIODE | | |
| D282 | 1SS355W-X | DIODE | | |
| D283 | 1SS355W-X | DIODE | | |
| D401 | UDZW10B-X | Z DIODE | | |
| D402 | UDZW10B-X | Z DIODE | | |
| D403 | UDZW10B-X | Z DIODE | | |
| D404 | UDZW10B-X | Z DIODE | | |
| D405 | UDZW10B-X | Z DIODE | | |
| D406 | UDZW10B-X | Z DIODE | | |
| D407 | UDZW10B-X | Z DIODE | | |
| D408 | UDZW10B-X | Z DIODE | | |
| D409 | UDZW10B-X | Z DIODE | | |
| D411 | UDZW10B-X | Z DIODE | | |
| D412 | UDZW10B-X | Z DIODE | | |
| D413 | UDZW10B-X | Z DIODE | | |
| D414 | UDZW10B-X | Z DIODE | | |
| D415 | UDZW10B-X | Z DIODE | | |
| D416 | UDZW10B-X | Z DIODE | | |
| D420 | UDZW10B-X | Z DIODE | | |
| D421 | UDZW10B-X | Z DIODE | | |
| D422 | UDZW10B-X | Z DIODE | | |
| D423 | UDZW10B-X | Z DIODE | | |
| D424 | UDZW10B-X | Z DIODE | | |
| D425 | UDZW10B-X | Z DIODE | | |
| D427 | UDZW10B-X | Z DIODE | | |
| D428 | UDZW10B-X | Z DIODE | | |
| D431 | UDZW10B-X | Z DIODE | | |
| D432 | UDZW10B-X | Z DIODE | | |
| D461 | UDZW10B-X | Z DIODE | | |
| D462 | UDZW10B-X | Z DIODE | | |
| D463 | UDZW10B-X | Z DIODE | | |
| D464 | UDZW10B-X | Z DIODE | | |
| D465 | UDZW10B-X | Z DIODE | | |
| D466 | UDZW10B-X | Z DIODE | | |
| D491 | UDZW3.3B-X | Z DIODE | | |
| D492 | S9648 | PHOTO CONDUCTOR | | |
| D605 | 1SS355W-X | DIODE | | |
| D606 | 1SS355W-X | DIODE | | |
| D607 | 1SS355W-X | DIODE | | |
| D608 | 1SS355W-X | DIODE | | |
| D615 | 1SS355W-X | DIODE | | |
| D621 | 1SS355W-X | DIODE | | |
| D622 | 1SS355W-X | DIODE | | |
| D751 | 1SS355W-X | DIODE | | |
| D752 | 1SS355W-X | DIODE | | |
| C101 | NEHL1CM-107X | E CAPACITOR | 100uF 16V M | |
| C102 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K | |
| C103 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K | |
| C106 | NCB11CK-475X | C CAPACITOR | 4.7uF 16V K | |
| C107 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C108 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C116 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C117 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C118 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C119 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C120 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C121 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C122 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C123 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C124 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C125 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C126 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C127 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C128 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C129 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C130 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C131 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C132 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C133 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C134 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C136 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C137 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C138 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C139 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C141 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C142 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C143 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C156 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C157 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C158 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C161 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C166 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C167 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C168 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C169 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C170 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C171 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C172 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K | |
| C173 | NDC31HJ-680X | C CAPACITOR | 68pF 50V J | |
| C174 | NDC31HJ-331X | C CAPACITOR | 330pF 50V J | |
| C175 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C176 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C177 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C178 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C179 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C180 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C181 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C182 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C183 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C184 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J | |
| C185 | NDC31HJ-820X | C CAPACITOR | 82pF 50V J | |
| C187 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C189 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C194 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C195 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C196 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C199 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C200 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C201 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C202 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C204 | NCB11CK-475X | C CAPACITOR | 4.7uF 16V K | |
| C206 | NCB11CK-475X | C CAPACITOR | 4.7uF 16V K | |
| C207 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K | |
| C208 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K | |
| C211 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C240 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C241 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C242 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C261 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C262 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C263 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C264 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C281 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C381 | NDC31HJ-680X | C CAPACITOR | 68pF 50V J | |
| C382 | NDC31HJ-680X | C CAPACITOR | 68pF 50V J | |
| C383 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C401 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C402 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C403 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C404 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C405 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C406 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C407 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C408 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C409 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C410 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C411 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C412 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C413 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C417 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C418 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C419 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C420 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C421 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C422 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C424 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C425 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C431 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K | |
| C432 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K | |
| C433 | NCB11CK-105X | C CAPACITOR | 1uF 16V K | |
| C461 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C462 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C463 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C464 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C465 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C466 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C468 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C469 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C491 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C492 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C493 | NEHL1CM-107X | E CAPACITOR | 100uF 16V M | |
| C494 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C555 | NEHL1AM-107X | E CAPACITOR | 100uF 10V M | |
| C556 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C557 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C558 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C559 | NEHL0JM-226X | E CAPACITOR | 22uF 6.3V M | |
| C560 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C561 | NEHL0JM-226X | E CAPACITOR | 22uF 6.3V M | |
| C576 | NEHL1AM-107X | E CAPACITOR | 100uF 10V M | |
| C577 | NEHL1AM-107X | E CAPACITOR | 100uF 10V M | |
| C578 | NEHL1AM-107X | E CAPACITOR | 100uF 10V M | |
| C579 | NEHL1AM-107X | E CAPACITOR | 100uF 10V M | |
| C612 | NEHL1CM-107X | E CAPACITOR | 100uF 16V M | |
| C614 | NENA1CM-475X | BP E CAPACITOR | 4.7uF 16V M | |
| C615 | NENA1CM-475X | BP E CAPACITOR | 4.7uF 16V M | |
| C616 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C617 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C623 | NCB21CK-184X | C CAPACITOR | 0.18uF 16V K | |
| C624 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | |
| C625 | NCB31HK-183X | C CAPACITOR | 0.018uF 50V K | |
| C628 | NCB31HK-123X | C CAPACITOR | 0.012uF 50V K | |
| C629 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | |
| C630 | NCB21CK-184X | C CAPACITOR | 0.18uF 16V K | |
| C632 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C633 | NCB31HK-822X | C CAPACITOR | 8200pF 50V K | |
| C634 | NCB31HK-822X | C CAPACITOR | 8200pF 50V K | |
| C635 | NCB31HK-681X | C CAPACITOR | 680pF 50V K | |
| C636 | NCB31HK-681X | C CAPACITOR | 680pF 50V K | |
| C638 | NCB31EK-223X | C CAPACITOR | 0.022uF 25V K | |
| C639 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C640 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C641 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C642 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C644 | NEHL1EM-475X | E CAPACITOR | 4.7uF 25V M | |
| C646 | NEHL1EM-475X | E CAPACITOR | 4.7uF 25V M | |
| C647 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C648 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C649 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C650 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C651 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C653 | NCB31EK-223X | C CAPACITOR | 0.022uF 25V K | |
| C654 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K | |
| C655 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C657 | NEHL1EM-475X | E CAPACITOR | 4.7uF 25V M | |
| C659 | NEHL1EM-475X | E CAPACITOR | 4.7uF 25V M | |
| C660 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C661 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C662 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C663 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C664 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C665 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C666 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C667 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C668 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C669 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C670 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C671 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C672 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C673 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | |
| C674 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | |
| C675 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C676 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C677 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C678 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K | |
| C679 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C680 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | |
| C681 | NEHL1CM-106X | E CAPACITOR | 10uF 16V M | |
| C682 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C685 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C686 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| C687 | NDC31HJ-680X | C CAPACITOR | 68pF 50V J | |
| C688 | NDC31HJ-680X | C CAPACITOR | 68pF 50V J | |
| C716 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C717 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C751 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | |
| C752 | NEHL1HM-105X | E CAPACITOR | 1uF 50V M | |
| C753 | NEHL0GM-227X | E CAPACITOR | 220uF 4V M | |
| C754 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C755 | NEHL0GM-227X | E CAPACITOR | 220uF 4V M | |
| C756 | NEHL1HM-105X | E CAPACITOR | 1uF 50V M | |
| C757 | NEHL1HM-105X | E CAPACITOR | 1uF 50V M | |
| C758 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | |
| C759 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C760 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C761 | NEHL1AM-107X | E CAPACITOR | 100uF 10V M | |
| C904 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C905 | NEHM1CM-476X | E CAPACITOR | 47uF 16V M | |
| C906 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C913 | NEX51CM-335X | E CAPACITOR | 3.3uF 16V M | |
| C914 | NEX50JM-156X | E CAPACITOR | 15uF 6.3V M | |
| C920 | NEX50JM-156X | E CAPACITOR | 15uF 6.3V M | |
| C3001 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3002 | NEHL1HM-106X | E CAPACITOR | 10uF 50V M | |
| C3106 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3107 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3108 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C3109 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K | |
| C3110 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C3111 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C3112 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C3113 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C3114 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C3115 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3116 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3117 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3118 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3119 | NCB21CK-105X | C CAPACITOR | 1uF 16V K | |
| C3120 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C3121 | NCB11AK-475X | C CAPACITOR | 4.7uF 10V K | |
| C3122 | NCB11AK-335X | C CAPACITOR | 3.3uF 10V K | |
| C3123 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K | |
| C3124 | NCB31HK-272X | C CAPACITOR | 2700pF 50V K | |
| C3125 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C3126 | NCB11AK-475X | C CAPACITOR | 4.7uF 10V K | |
| C3127 | NCB31HK-562X | C CAPACITOR | 5600pF 50V K | |
| C3128 | NCB31HK-123X | C CAPACITOR | 0.012uF 50V K | |
| C3129 | NCB11AK-475X | C CAPACITOR | 4.7uF 10V K | |
| C3130 | NCB11AK-475X | C CAPACITOR | 4.7uF 10V K | |
| C3131 | NCB11AK-475X | C CAPACITOR | 4.7uF 10V K | |
| C3132 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C3133 | NCB11AK-475X | C CAPACITOR | 4.7uF 10V K | |
| C3134 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C3135 | NCB11AK-475X | C CAPACITOR | 4.7uF 10V K | |
| C3136 | NCB21CK-105X | C CAPACITOR | 1uF 16V K | |
| C3137 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C3155 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K | |
| C3156 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K | |
| | | | | |
| R101 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R102 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R103 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R104 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R105 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R106 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R110 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R111 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R112 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R120 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R121 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R122 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R140 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R141 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R142 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R143 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R144 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R145 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R146 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R147 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R150 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R153 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R154 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R157 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R158 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R159 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R160 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R161 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R164 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R165 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R166 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R167 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R168 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R169 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R181 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R183 | NRSA63J-274X | MG RESISTOR | 270kΩ 1/16W J | |
| R184 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R187 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R188 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R195 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R197 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R198 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R203 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R204 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R206 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R207 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R219 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R220 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R221 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R223 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R224 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R225 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R228 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R231 | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J | |
| R232 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R237 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R238 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R239 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R241 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R243 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R245 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R246 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R247 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R248 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R249 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R251 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R252 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R253 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R255 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R256 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R257 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R259 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R260 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R261 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R262 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R263 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R264 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R265 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R266 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R267 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R280 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R284 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R286 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R288 | NRSA63J-820X | MG RESISTOR | 82Ω 1/16W J | |
| R289 | NRSA63J-820X | MG RESISTOR | 82Ω 1/16W J | |
| R293 | NRSA63J-820X | MG RESISTOR | 82Ω 1/16W J | |
| R294 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R295 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R296 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R297 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R301 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R302 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R303 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R382 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R384 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R385 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R391 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R401 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R402 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R403 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R404 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R405 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R406 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R407 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R408 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R410 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R411 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R412 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R413 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R414 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R418 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R419 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R420 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R421 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R422 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R423 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R426 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R427 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R437 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R438 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R439 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R440 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R441 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R442 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R443 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R444 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J | |
| R461 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R464 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R467 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R475 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R476 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R491 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R555 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R560 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R584 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R585 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R588 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R589 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R591 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R592 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R621 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R622 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| R623 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R624 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R625 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R626 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R634 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| R635 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R636 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R638 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R639 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R640 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R642 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R644 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R647 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R649 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J | |
| R650 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R651 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R652 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R653 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R654 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R661 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R662 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R665 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R666 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R669 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R670 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R671 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R687 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R694 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R695 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R696 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R700 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R702 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R703 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R704 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R711 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R712 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R713 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R714 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R718 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R719 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R720 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| R723 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R751 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R752 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R755 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R756 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R757 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R758 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R759 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R760 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R761 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R764 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R765 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R768 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R769 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R3001 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R3003 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3004 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3005 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3006 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| R3007 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3018 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3119 | NRSA63J-225X | MG RESISTOR | 2.2MΩ 1/16W J | |
| R3122 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R3123 | NRSA63J-302X | MG RESISTOR | 3kΩ 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R3125 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R3126 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R3128 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R3129 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R3131 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J | |
| R3132 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R3133 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R3167 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| L101 | NQL79GM-100X | COIL | 10uH M | |
| L902 | NQL52EM-220X | COIL | 22uH M | |
| L903 | NQR0562-010X | CHOKE COIL | | |
| L906 | NQL52EM-220X | COIL | 22uH M | |
| L3001 | NQL79GM-4R7X | COIL | 4.7uH M | |
| L3002 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| CN001 | QGF0508C2-50W | CONNECTOR | FFC/FPC (1-50) | |
| CN002 | QGF0508C2-40W | CONNECTOR | FFC/FPC (1-40) | |
| J401 | QNZ0726-001 | AV JACK | INPUT-1(S/V/L/R) | |
| J402 | QNN0650-001 | PIN JACK | INPUT-1(COMPONENT) | |
| J403 | QNZ0726-001 | AV JACK | INPUT-2(S/V/L/R) | |
| J405 | QNN0651-001 | PIN JACK | INPUT-3(V/L/R) | |
| J406 | QNN0650-001 | PIN JACK | INPUT-3(COMPONENT) | |
| J407 | QNN0652-001 | PIN JACK | HDMI AUDIO IN | |
| J410 | QNZ0561-001 | D CONNECTOR | PC IN | |
| J412 | QNN0652-001 | PIN JACK | AUDIO IN | |
| K661 | NQR0499-002X | FERRITE BEADS | | |
| K662 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| K663 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| TU3001 | QAU0467-001 | TUNER | | |
| X661 | NAX0857-001X | C RESONATOR | 25.00MHz | |

## SD CARD P.W. BOARD ASS'Y (SFL-1305A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC2001 | AU9331C23-MAS-X | IC | | |
| Q2001 | 2SA1576A/QRS/-X | TRANSISTOR | | |
| C2001 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C2002 | NDC31HJ-270X | C CAPACITOR | 27pF 50V J | |
| C2003 | NDC31HJ-270X | C CAPACITOR | 27pF 50V J | |
| C2004 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J | |
| C2005 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J | |
| C2006 | NDC31HJ-120X | C CAPACITOR | 12pF 50V J | |
| C2007 | NDC31HJ-120X | C CAPACITOR | 12pF 50V J | |
| C2008 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C2009 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C2010 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C2011 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C2012 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C2013 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C2014 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C2015 | NEHL0GM-227X | E CAPACITOR | 220uF 4V M | |
| C2016 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| R2001 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R2003 | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J | |
| R2004 | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J | |
| R2005 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R2006 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R2007 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R2008 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R2009 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R2010 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R2012 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R2014 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R2015 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| RA2001 | NRZ0040-103X | NET RESISTOR | 10kΩ 1/16W J x4 | |
| RA2002 | NRZ0040-473X | NET RESISTOR | 47kΩ 1/16W J x4 | |
| L2001 | NQR0603-002X | EMI FILTER | | |
| JK2001 | NNZ0058-001X | SD CARD CONNECTOR | | |
| K2001 | NQR0499-002X | FERRITE BEADS | | |
| K2002 | NQR0499-002X | FERRITE BEADS | | |
| LC2001 | NQR0483-007X | EMI FILTER | | |
| X2001 | NAX0877-001X | CRYSTAL | 12MHz | |

## OPTICAL P.W. BOARD ASS'Y (SFL-2501A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC2501 | QNZ0727-001 | OPT CONNECTOR | OPTICAL OUT | |
| C2501 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| R2501 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |

## D-AMP P.W. BOARD ASS'Y (SFL-6302A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC6201 | PQ20WZ11-X | IC | | |
| IC6501 | RC4558D-X | IC | | |
| IC6621 | LM393DR-X | IC | | |
| IC6661 | TDA8928ST/N1 | IC | | |
| Q6611 | 2SC1623A/5-6/-X | TRANSISTOR | | |
| Q6612 | 2SC1623A/5-6/-X | TRANSISTOR | | |
| Q6613 | 2SA812A/5-6/-X | TRANSISTOR | | |
| Q6661 | UN2112-X | DIGI TRANSISTOR | | |
| Q6662 | 2SC1623A/5-6/-X | TRANSISTOR | | |
| Q6663 | UN2212-X | DIGI TRANSISTOR | | |
| D6201 | 1SS355W-X | DIODE | | |
| D6501 | UDZW6.2B-X | Z DIODE | | |
| D6663 | UDZW3.3B-X | Z DIODE | | |
| D6664 | 1SS355W-X | DIODE | | |
| D6671 | UDZW20B-X | Z DIODE | | |
| D6672 | UDZW20B-X | Z DIODE | | |
| D6673 | UDZW20B-X | Z DIODE | | |
| D6674 | UDZW20B-X | Z DIODE | | |
| C6201 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C6202 | NEHL1EM-336X | E CAPACITOR | 33uF 25V M | |
| C6203 | NEHL1EM-336X | E CAPACITOR | 33uF 25V M | |
| C6204 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C6205 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C6501 | NENA1CM-475X | BP E CAPACITOR | 4.7uF 16V M | |
| C6502 | NENA1CM-475X | BP E CAPACITOR | 4.7uF 16V M | |
| C6503 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C6504 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C6505 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C6506 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| C6507 | NEHL1HM-105X | E CAPACITOR | 1uF 50V M | |
| C6508 | NEHL1HM-105X | E CAPACITOR | 1uF 50V M | |
| C6601 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C6602 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C6611 | NEHL0JM-226X | E CAPACITOR | 22uF 6.3V M | |
| C6621 | NCB31HK-332X | C CAPACITOR | 3300pF 50V K | |
| C6622 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C6623 | NEHL1EM-226X | E CAPACITOR | 22uF 25V M | |
| C6624 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | |
| C6625 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6626 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C6627 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C6628 | NEHL1EM-226X | E CAPACITOR | 22uF 25V M | |
| C6629 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C6630 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6631 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | |
| C6632 | NCB31HK-332X | C CAPACITOR | 3300pF 50V K | |
| C6661 | NCB11EK-105X | C CAPACITOR | 1uF 25V K | |
| C6662 | NCB11EK-105X | C CAPACITOR | 1uF 25V K | |
| C6663 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C6664 | QETN1HM-226Z | E CAPACITOR | 22uF 50V M | |
| C6665 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C6666 | QETN1HM-226Z | E CAPACITOR | 22uF 50V M | |
| C6667 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C6668 | NCB31HK-561X | C CAPACITOR | 560pF 50V K | |
| C6669 | QFV21HJ-224Z | MF CAPACITOR | 0.22uF 50V J | |
| C6670 | QFVF1HJ-184Z | MF CAPACITOR | 0.18uF 50V J | |
| C6671 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K | |
| C6672 | QETN1EM-477Z | E CAPACITOR | 470uF 25V M | |
| C6673 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C6674 | QETN1EM-477Z | E CAPACITOR | 470uF 25V M | |
| C6675 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C6676 | NCB31HK-561X | C CAPACITOR | 560pF 50V K | |
| C6677 | NCB31HK-561X | C CAPACITOR | 560pF 50V K | |
| C6678 | QFV21HJ-224Z | MF CAPACITOR | 0.22uF 50V J | |
| C6679 | QFVF1HJ-184Z | MF CAPACITOR | 0.18uF 50V J | |
| C6680 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K | |
| C6681 | NCB31HK-561X | C CAPACITOR | 560pF 50V K | |
| C6682 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C6683 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C6684 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C6685 | QETN1EM-477Z | E CAPACITOR | 470uF 25V M | |
| C6686 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C6687 | QETN1EM-477Z | E CAPACITOR | 470uF 25V M | |
| R6201 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6202 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R6203 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R6204 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R6205 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6501 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R6502 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R6503 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R6504 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R6505 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R6506 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R6507 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R6601 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6602 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R6603 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6605 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6606 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R6607 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6611 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6612 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6613 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R6614 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6621 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6622 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6623 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R6624 | QRJ146J-102X | UNF C RESISTOR | 1kΩ 1/4W J | |
| R6625 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6626 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R6627 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R6629 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R6630 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R6631 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6632 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R6633 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R6634 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6661 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6662 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6663 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J | |
| R6664 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6665 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J | |
| R6666 | QRK126J-5R6X | UNF C RESISTOR | 5.6Ω 1/2W J | |
| R6667 | QRK126J-220X | UNF C RESISTOR | 22Ω 1/2W J | |
| R6668 | QRK126J-5R6X | UNF C RESISTOR | 5.6Ω 1/2W J | |
| R6669 | QRK126J-220X | UNF C RESISTOR | 22Ω 1/2W J | |
| R6670 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| R6671 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6673 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R6674 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6675 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| R6676 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6677 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6680 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6691 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| L6661 | NQLC8CM-560X | COIL | 56uH M | |
| L6662 | NQLC8CM-560X | COIL | 56uH M | |
| K6601 | NQR0499-002X | FERRITE BEADS | | |
| K6602 | NQR0499-002X | FERRITE BEADS | | |
| K6661 | NQR0499-002X | FERRITE BEADS | | |
| K6662 | NQR0499-002X | FERRITE BEADS | | |
| K6663 | NQR0499-002X | FERRITE BEADS | | |
| K6664 | NQR0499-002X | FERRITE BEADS | | |

## SW P.W. BOARD ASS'Y (SFL-7210A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| D7011 | UDZW6.2B-X | Z DIODE | | |
| C7011 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7012 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| R7011 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7012 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7013 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7014 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7015 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7016 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7017 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7701 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R7702 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| R7703 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R7704 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| R7705 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7706 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7709 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7712 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| L7001 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| L7002 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| J7001 | QNS0097-001 | 3.5 JACK | HEADPHONE | |
| K7001 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| S7701 | QSW1131-001Z | TACT SWITCH | CH- | |
| S7702 | QSW1131-001Z | TACT SWITCH | CH+ | |
| S7703 | QSW1131-001Z | TACT SWITCH | MENU/OK | |
| S7704 | QSW1131-001Z | TACT SWITCH | INPUT | |
| S7705 | QSW1131-001Z | TACT SWITCH | VOL- | |
| S7706 | QSW1131-001Z | TACT SWITCH | VOL+ | |
| S7707 | QSW1131-001Z | TACT SWITCH | POWER | |

## LED P.W. BOARD ASS'Y (SFL-8712A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC8751 | S9648 | PHOTO CONDUCTOR | | |
| IC8752 | GP1UM261RKVF | IR DETECT UNIT | | |
| Q8705 | RT1P440C-X | DIGI TRANSISTOR | | |
| Q8706 | RT1P440C-X | DIGI TRANSISTOR | | |
| Q8707 | RT1P440C-X | DIGI TRANSISTOR | | |
| Q8708 | RT1N241C-X | DIGI TRANSISTOR | | |
| Q8709 | RT1N241C-X | DIGI TRANSISTOR | | |
| D8702 | SEL5E20C-T | LED | POWER | |
| D8706 | UDZW6.8B-X | Z DIODE | | |
| D8707 | UDZW6.8B-X | Z DIODE | | |
| C8751 | NEHL1EM-226X | E CAPACITOR | 22uF 25V M | |
| C8752 | NEHL1CM-476X | E CAPACITOR | 47uF 16V M | |
| R8714 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R8715 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R8716 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R8717 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R8727 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8728 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8729 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8751 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J | |
| R8752 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R8753 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R8754 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| R8755 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |

## MAIN POWER P.W. BOARD ASS'Y (SFL-9060A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC9201 | MIP2C20MSSCF | IC | | |
| IC9301 | LM393DR-X | IC | | |
| IC9501 | F9222L-F219 | IC | | |
| ⚠IC9502 | FA5500AN-W | IC | | |
| ⚠IC9551 | UTCTL431-T | IC | | |
| Q9001 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9002 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9501 | 2SK3522-01-F1 | POWER MOS FET | | |
| Q9502 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9503 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9504 | UN2213-X | DIGI TRANSISTOR | | |
| Q9505 | UN2212-X | DIGI TRANSISTOR | | |
| Q9506 | UN2212-X | DIGI TRANSISTOR | | |
| Q9507 | 2SB1188/QR/-W | TRANSISTOR | | |
| Q9508 | UN2212-X | DIGI TRANSISTOR | | |
| Q9531 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9532 | 2SB1188/QR/-W | TRANSISTOR | | |
| Q9533 | UN2212-X | DIGI TRANSISTOR | | |
| Q9534 | UN2213-X | DIGI TRANSISTOR | | |
| Q9535 | UN2213-X | DIGI TRANSISTOR | | |
| Q9536 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q9537 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q9551 | UN2212-X | DIGI TRANSISTOR | | |
| Q9552 | UN2212-X | DIGI TRANSISTOR | | |
| ⚠D9001 | D25XB60 | BRIDGE DIODE | | |
| D9002 | MA111-X | SI DIODE | | |
| D9003 | MA111-X | SI DIODE | | |
| D9202 | MA8047-X | Z DIODE | | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| D9203 | EG01C-T2 | SI DIODE | | |
| D9204 | D1FL20U-X | SI DIODE | | |
| D9205 | UTCTL431-T | IC | | |
| D9206 | EC21QS10-X | SB DIODE | | |
| D9208 | D1FL20U-X | SI DIODE | | |
| D9212 | EM1A-LFF4 | SI DIODE | | |
| D9213 | EM1A-LFF4 | SI DIODE | | |
| D9214 | EM1A-LFF4 | SI DIODE | | |
| D9215 | MA8330/M/-X | Z DIODE | | |
| D9216 | MA8330/M/-X | Z DIODE | | |
| D9301 | MA8091/M/-X | Z DIODE | | |
| D9302 | MA111-X | SI DIODE | | |
| D9501 | YG972S6R | SI DIODE | | |
| D9502 | D1FL20U-X | SI DIODE | | |
| D9503 | MA111-X | SI DIODE | | |
| D9504 | MA111-X | SI DIODE | | |
| D9505 | D1FL20U-X | SI DIODE | | |
| D9506 | MA111-X | SI DIODE | | |
| D9507 | MA8100/M/-X | Z DIODE | | |
| D9508 | MA111-X | SI DIODE | | |
| D9531 | D1FS4-X | SB DIODE | | |
| D9532 | MA111-X | SI DIODE | | |
| D9533 | UDZS5.6B-X | Z DIODE | 1.5kΩ 1/10W J | |
| D9534 | SD883-04-X | IC | | |
| D9535 | PTZ27B-X | Z DIODE | | |
| D9536 | PTZ27B-X | Z DIODE | | |
| D9537 | 1SS355W-X | DIODE | | |
| D9550 | FCH20A10 | SB DIODE | | |
| D9551 | FCH20A10 | SB DIODE | | |
| D9552 | FCH20A10 | SB DIODE | | |
| D9553 | FCH20A10 | SB DIODE | | |
| ⚠C9001 | QFZ9072-105 | MM CAPACITOR | 1uF AC250V K | |
| ⚠C9002 | QFZ9072-105 | MM CAPACITOR | 1uF AC250V K | |
| ⚠C9003 | QCZ9071-152 | C CAPACITOR | 1500pF AC400V M | |
| ⚠C9004 | QCZ9071-152 | C CAPACITOR | 1500pF AC400V M | |
| ⚠C9006 | QCZ9082-222Z | C CAPACITOR | 2200pF AC250V M | |
| ⚠C9007 | QCZ9082-222Z | C CAPACITOR | 2200pF AC250V M | |
| ⚠C9008 | QCZ9082-222Z | C CAPACITOR | 2200pF AC250V M | |
| ⚠C9009 | QCZ9082-222Z | C CAPACITOR | 2200pF AC250V M | |
| C9204 | QEZ0709-106 | E CAPACITOR | 10uF 450V M | |
| C9205 | QFP32JK-222 | PP CAPACITOR | 2200pF 630V K | |
| C9206 | QEHR1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C9207 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C9207 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C9208 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | |
| ⚠C9209 | QCZ9071-102 | C CAPACITOR | 1000pF AC400V M | |
| C9210 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C9210 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C9211 | QECR1CM-477Z | E CAPACITOR | 470uF 16V M | |
| C9212 | QEHR1AM-337Z | E CAPACITOR | 330uF 10V M | |
| C9219 | QEHR1VM-107Z | E CAPACITOR | 100uF 35V M | |
| C9301 | NEHM1HM-105X | E CAPACITOR | 1uF 50V M | |
| C9302 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C9303 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C9304 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C9501 | QEZ0739-337 | E CAPACITOR | 330uF | |
| C9502 | QCZ0340-331 | C CAPACITOR | 330pF 2kV K | |
| C9503 | QFZ0231-225 | MPP CAPACITOR | 2.2uF | |
| C9504 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | |
| C9505 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9506 | NCB21HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C9507 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C9508 | QEHR1VM-476Z | E CAPACITOR | 47uF 35V M | |
| C9509 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9510 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C9511 | QEHR1HM-107Z | E CAPACITOR | 100uF 50V M | |
| C9512 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C9512 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C9531 | NCB31HK-331X | C CAPACITOR | 330pF 50V K | |
| C9532 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K | |
| C9533 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K | |
| C9534 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C9534 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C9535 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C9535 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C9536 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C9537 | NCB31HK-331X | C CAPACITOR | 330pF 50V K | |
| C9538 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C9539 | QEHR1HM-226Z | E CAPACITOR | 22uF 50V M | |
| C9540 | QFZ0230-563 | MPP CAPACITOR | 0.056uF | |
| C9541 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| ⚠C9542 | QCZ9071-102 | C CAPACITOR | 1000pF AC400V M | |
| C9551 | QECQ1VM-128 | E CAPACITOR | 1200uF 35V M | |
| C9552 | QECQ1VM-128 | E CAPACITOR | 1200uF 35V M | |
| C9553 | QECQ1VM-128 | E CAPACITOR | 1200uF 35V M | |
| C9560 | QECQ1VM-128 | E CAPACITOR | 1200uF 35V M | |
| C9561 | QECQ1VM-128 | E CAPACITOR | 1200uF 35V M | |
| C9562 | NCB11HK-474X | C CAPACITOR | 0.47uF 50V K | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| ⚠R9001 | QRZ9046-105Z | C RESISTOR | 1MΩ 1/2W K | |
| R9002 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R9003 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9004 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R9005 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| ⚠R9006 | QRZ9058-8R2 | FUSI RESISTOR | 8.2Ω | |
| R9201 | NRS12BJ-563W | MG RESISTOR | 56kΩ 1/2W J | |
| R9202 | NRS12BJ-0R0W | MG RESISTOR | 0Ω 1/2W J | |
| R9203 | NRS12BJ-474W | MG RESISTOR | 470kΩ 1/2W J | |
| R9204 | NRS12BJ-333W | MG RESISTOR | 33kΩ 1/2W J | |
| R9205 | QRZ0216-4R7 | UNF WW RESISTOR | 4.7Ω 7W K | |
| R9206 | NRS12BJ-104W | MG RESISTOR | 100kΩ 1/2W J | |
| R9207 | QRE121J-220Y | C RESISTOR | 22Ω 1/2W J | |
| R9208 | NRSA63J-394X | MG RESISTOR | 390kΩ 1/16W J | |
| R9209 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| ⚠R9210 | QRZ9046-685Z | C RESISTOR | 6.8MΩ 1/2W K | |
| R9211 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R9212 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R9213 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R9214 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R9215 | NRSA63D-103X | MG RESISTOR | 10kΩ 1/16W D | |
| R9216 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R9217 | NRSA63D-103X | MG RESISTOR | 10kΩ 1/16W D | |
| R9219 | QRE121J-220Y | C RESISTOR | 22Ω 1/2W J | |
| R9230 | NRS12BJ-104W | MG RESISTOR | 100kΩ 1/2W J | |
| R9301 | NRS12BJ-332W | MG RESISTOR | 3.3kΩ 1/2W J | |
| R9302 | NRSA63D-472X | MG RESISTOR | 4.7kΩ 1/16W D | |
| R9303 | NRSA63D-472X | MG RESISTOR | 4.7kΩ 1/16W D | |
| R9304 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R9305 | NRSA63D-273X | MG RESISTOR | 27kΩ 1/16W D | |
| R9306 | NRSA63D-472X | MG RESISTOR | 4.7kΩ 1/16W D | |
| R9501 | QRM059J-R22 | MP RESISTOR | 0.22Ω 5W J | |
| R9502 | QRM059J-R22 | MP RESISTOR | 0.22Ω 5W J | |
| R9503 | NRS181J-474X | MG RESISTOR | 470kΩ 1/8W J | |
| R9504 | NRS181J-474X | MG RESISTOR | 470kΩ 1/8W J | |
| R9505 | NRS181J-334X | MG RESISTOR | 330kΩ 1/8W J | |
| R9506 | NRSA63D-153X | MG RESISTOR | 15kΩ 1/16W D | |
| R9507 | NRS12BJ-223W | MG RESISTOR | 22kΩ 1/2W J | |
| R9508 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R9509 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R9510 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R9511 | NRS181J-824X | MG RESISTOR | 820kΩ 1/8W J | |
| R9512 | NRS181J-824X | MG RESISTOR | 820kΩ 1/8W J | |
| R9513 | NRS181J-824X | MG RESISTOR | 820kΩ 1/8W J | |
| R9514 | NRSA63D-183X | MG RESISTOR | 18kΩ 1/16W D | |
| R9515 | NRSA63D-274X | MG RESISTOR | 270kΩ 1/16W D | |
| R9516 | NRS181J-334X | MG RESISTOR | 330kΩ 1/8W J | |
| R9517 | NRS181J-334X | MG RESISTOR | 330kΩ 1/8W J | |
| R9518 | NRS181J-394X | MG RESISTOR | 390kΩ 1/8W J | |
| R9519 | NRS181J-474X | MG RESISTOR | 470kΩ 1/8W J | |
| R9520 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J | |
| R9521 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R9522 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| R9523 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9524 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9525 | NRSA63J-824X | MG RESISTOR | 820kΩ 1/16W J | |
| R9526 | NRS12BJ-102W | MG RESISTOR | 1kΩ 1/2W J | |
| R9527 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9528 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R9529 | NRS12BJ-221W | MG RESISTOR | 220Ω 1/2W J | |
| R9530 | NRS12BJ-220W | MG RESISTOR | 22Ω 1/2W J | |
| R9531 | QRE121J-105Y | C RESISTOR | 1MΩ 1/2W J | |
| R9532 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9533 | NRSA02J-180X | MG RESISTOR | 18Ω 1/10W J | |
| R9534 | QRK126J-271X | UNF C RESISTOR | 270Ω 1/2W J | |
| R9535 | NRS12BJ-332W | MG RESISTOR | 3.3kΩ 1/2W J | |
| R9536 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9537 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R9538 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9539 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9540 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9541 | QRT02EJ-1R0X | MF RESISTOR | 1Ω 2W J | |
| R9542 | QRM059J-R22 | MP RESISTOR | 0.22Ω 5W J | |
| R9543 | NRSA02J-562X | MG RESISTOR | 5.6kΩ 1/10W J | |
| R9544 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9545 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J | |
| R9547 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R9548 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R9549 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R9553 | NRS12BJ-222W | MG RESISTOR | 2.2kΩ 1/2W J | |
| R9554 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9555 | NRSA02J-103X | MG RESISTOR | 10kΩ 1/10W J | |
| R9556 | NRSA63D-273X | MG RESISTOR | 27kΩ 1/16W D | |
| R9557 | NRSA63D-682X | MG RESISTOR | 6.8kΩ 1/16W D | |
| R9558 | NRSA63J-334X | MG RESISTOR | 330kΩ 1/16W J | |
| R9559 | NRSA63D-392X | MG RESISTOR | 3.9kΩ 1/16W D | |
| R9560 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R9561 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R9568 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9570 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R9571 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9572 | NRSA02J-562X | MG RESISTOR | 5.6kΩ 1/10W J | |
| R9574 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9575 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| L9201 | QQL26AM-5R6Z | CHOKE COIL | 5.6uH M | |
| L9501 | QQR1468-001 | CHOKE COIL | | |
| L9502 | QQR1513-001 | CHOKE COIL | | |
| ⚠T9201 | QQS0363-002 | SW TRANSF | | |
| ⚠T9501 | QQS0347-003 | SW TRANSF | | |
| ⚠T9502 | QQS0347-003 | SW TRANSF | | |
| ⚠CP9201 | QMFZ052-2R0-E | FUSE | 2A AC250V | |
| ⚠CP9501 | QMFZ043-2R0Z-J1 | FUSE | 2A AC250V | |
| ⚠F9001 | QMF5AD2-6R3-J1 | FUSE | 6.3A AC250V | |
| K9201 | NQR0499-001X | FERRITE BEADS | | |
| K9502 | QQR0621-002Z | FERRITE BEADS | | |
| K9503 | QQR0621-002Z | FERRITE BEADS | | |
| K9552 | NQR0499-002X | FERRITE BEADS | | |
| K9553 | NQR0499-002X | FERRITE BEADS | | |
| K9554 | NQR0499-002X | FERRITE BEADS | | |
| K9555 | NQR0499-002X | FERRITE BEADS | | |
| K9556 | NQR0499-002X | FERRITE BEADS | | |
| K9557 | NQR0499-002X | FERRITE BEADS | | |
| ⚠LF9001 | QQR1655-001 | LINE FILTER | | |
| ⚠LF9002 | QQR1281-005 | LINE FILTER | | |
| ⚠LF9003 | QQR1654-001 | LINE FILTER | | |
| ⚠PC9201 | PS2581AL2/QW/-W | PHOTO COUPLER | | |
| ⚠PC9202 | PS2581AL2/QW/-W | PHOTO COUPLER | | |
| ⚠PC9501 | PS2581AL2/QW/-W | PHOTO COUPLER | | |
| ⚠PC9502 | PS2581AL2/QW/-W | PHOTO COUPLER | | |
| ⚠PC9503 | PS2581AL2/QW/-W | PHOTO COUPLER | | |
| ⚠RY9001 | QSK0162-001 | RELAY | | |
| ⚠RY9002 | QSK0162-001 | RELAY | | |
| ⚠VA9001 | QAF0060-621 | VARISTOR | 620V | |

## DC-DC P.W. BOARD ASS'Y (SFL-9161A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC9601 | MP2363DN-X | IC | | |
| IC9602 | AL1014-X | IC | | |
| IC9701 | MP2363DN-X | IC | | |
| IC9751 | MP2363DN-X | IC | | |
| IC9801 | MP2363DN-X | IC | | |
| IC9851 | PQ090DNA1Z-X | IC | | |
| IC9852 | PQ090DNA1Z-X | IC | | |
| IC9901 | PQ20WZ11-X | IC | | |
| Q9601 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9651 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9652 | FDS9435A-X | POWER MOS FET | | |
| Q9653 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9654 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9801 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9904 | 2SB1188/QR/-W | TRANSISTOR | | |
| Q9905 | UN2213-X | DIGI TRANSISTOR | | |
| D9601 | EC30HA04-X | SB DIODE | | |
| D9602 | MA111-X | SI DIODE | | |
| D9603 | MA8030/H/-X | Z DIODE | | |
| D9604 | PTZ6.8B-X | Z DIODE | | |
| D9605 | EC30HA04-X | SB DIODE | | |
| D9606 | EC30HA04-X | SB DIODE | | |
| D9652 | CMS05-W | SB DIODE | | |
| D9653 | CMS05-W | SB DIODE | | |
| D9654 | PTZ6.8B-X | Z DIODE | | |
| D9655 | MA111-X | SI DIODE | | |
| D9701 | EC30HA03L-X | SB DIODE | | |
| D9702 | EC30HA03L-X | SB DIODE | | |
| D9703 | PTZ3.9B-X | Z DIODE | | |
| D9751 | EC30HA03L-X | SB DIODE | | |
| D9752 | EC30HA03L-X | SB DIODE | | |
| D9753 | PTZ3.9B-X | Z DIODE | | |
| D9801 | EC30HA04-X | SB DIODE | | |
| D9802 | EC30HA04-X | SB DIODE | | |
| D9803 | MA111-X | SI DIODE | | |
| D9804 | PTZ6.8B-X | Z DIODE | | |
| D9901 | D1FS4-X | SB DIODE | | |
| D9905 | MA111-X | SI DIODE | | |
| C9601 | NCJ41HK-335X-U | C CAPACITOR | 3.3uF 50V K | |
| C9602 | NCJ41HK-335X-U | C CAPACITOR | 3.3uF 50V K | |
| C9603 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9604 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9605 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9606 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C9607 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | |
| C9608 | NCB31HK-332X | C CAPACITOR | 3300pF 50V K | |
| C9610 | NEHM1HM-105X | E CAPACITOR | 1uF 50V M | |
| C9611 | QEHR0JM-108Z | E CAPACITOR | 1000uF 6.3V M | |
| C9651 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C9652 | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K | |
| C9653 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9654 | NDC31HJ-270X | C CAPACITOR | 27pF 50V J | |
| C9655 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C9656 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C9658 | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K | |
| C9660 | NEX60JM-227X | E CAPACITOR | 220uF 6.3V M | |
| C9662 | NCJ11HK-105X-U | C CAPACITOR | 1uF 50V K | |
| C9701 | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K | |
| C9702 | QEHR0JM-228Z | E CAPACITOR | 2200uF 6.3V M | |
| C9703 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9704 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9705 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9706 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C9707 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9708 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C9751 | NCB31CK-184X | C CAPACITOR | 0.18uF 16V K | |
| C9752 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9753 | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K | |
| C9754 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9755 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9756 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C9757 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9758 | QEHR0JM-228Z | E CAPACITOR | 2200uF 6.3V M | |
| C9801 | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K | |
| C9802 | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K | |
| C9803 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9804 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9805 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9806 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K | |
| C9808 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C9809 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9810 | NEHM1EM-336X | E CAPACITOR | 33uF 25V M | |
| C9811 | QEHR0JM-108Z | E CAPACITOR | 1000uF 6.3V M | |
| C9851 | NEHM1EM-336X | E CAPACITOR | 33uF 25V M | |
| C9852 | NEHM1EM-336X | E CAPACITOR | 33uF 25V M | |
| C9853 | NEHM1EM-336X | E CAPACITOR | 33uF 25V M | |
| C9854 | NEHM1EM-336X | E CAPACITOR | 33uF 25V M | |
| C9855 | NCB21EK-334X | C CAPACITOR | 0.33uF 25V K | |
| C9856 | NCB21EK-334X | C CAPACITOR | 0.33uF 25V K | |
| C9901 | NEHM1EM-336X | E CAPACITOR | 33uF 25V M | |
| C9902 | NEHM1EM-336X | E CAPACITOR | 33uF 25V M | |
| C9903 | NCB11CK-475X | C CAPACITOR | 4.7uF 16V K | |
| C9904 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C9911 | NBZ0017-106X | SP E CAPACITOR | 10uF 25V M | |
| C9972 | NEHM0JM-107X | E CAPACITOR | 100uF 6.3V M | |
| R9602 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9603 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R9604 | NRSA63D-563X | MG RESISTOR | 56kΩ 1/16W D | |
| R9605 | NRSA63D-334X | MG RESISTOR | 330kΩ 1/16W D | |
| R9606 | NRSA63D-103X | MG RESISTOR | 10kΩ 1/16W D | |
| R9607 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R9608 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R9609 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R9610 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9652 | NRZ0096-R020X | MP RESISTOR | 0.02Ω | |
| R9653 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R9654 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R9655 | NRSA63D-153X | MG RESISTOR | 15kΩ 1/16W D | |
| R9656 | NRSA63D-512X | MG RESISTOR | 5.1kΩ 1/16W D | |
| R9657 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R9658 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R9659 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R9661 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R9662 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9663 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9664 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R9668 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9669 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9670 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R9688 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9701 | NRSA02J-181X | MG RESISTOR | 180Ω 1/10W J | |
| R9703 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9704 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R9707 | NRSA63D-273X | MG RESISTOR | 27kΩ 1/16W D | |
| R9710 | NRSA63D-103X | MG RESISTOR | 10kΩ 1/16W D | |
| R9711 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R9712 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9751 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9752 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R9753 | NRSA63D-223X | MG RESISTOR | 22kΩ 1/16W D | |
| R9754 | NRSA63D-104X | MG RESISTOR | 100kΩ 1/16W D | |
| R9755 | NRSA63D-103X | MG RESISTOR | 10kΩ 1/16W D | |
| R9756 | NRSA02J-181X | MG RESISTOR | 180Ω 1/10W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R9757 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R9801 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9802 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9803 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R9804 | NRSA63D-563X | MG RESISTOR | 56kΩ 1/16W D | |
| R9805 | NRSA63D-274X | MG RESISTOR | 270kΩ 1/16W D | |
| R9806 | NRSA63D-103X | MG RESISTOR | 10kΩ 1/16W D | |
| R9807 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R9808 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R9809 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9813 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9815 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9816 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R9901 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9902 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9903 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9910 | NRSA63D-183X | MG RESISTOR | 18kΩ 1/16W D | |
| R9914 | NRSA63D-681X | MG RESISTOR | 680Ω 1/16W D | |
| R9915 | NRSA63D-682X | MG RESISTOR | 6.8kΩ 1/16W D | |
| R9918 | NRS12BJ-221W | MG RESISTOR | 220Ω 1/2W J | |
| R9924 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9925 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9926 | NRSA02J-222X | MG RESISTOR | 2.2kΩ 1/10W J | |
| R9971 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9973 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9976 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| L9602 | NQLC8CM-150X | COIL | 15uH M | |
| L9652 | NQL63EM-150X | COIL | 15uH M | |
| L9701 | NQLC8CM-150X | COIL | 15uH M | |
| L9751 | NQLC8CM-150X | COIL | 15uH M | |
| L9802 | NQLC8CM-150X | COIL | 15uH M | |
| L9803 | NQR0562-003X | CHOKE COIL | | |
| L9972 | NQR0562-003X | CHOKE COIL | | |
| K9651 | NQR0413-001X | FERRITE BEADS | | |
| K9652 | NQR0413-001X | FERRITE BEADS | | |
| K9653 | NQR0413-001X | FERRITE BEADS | | |

## SUB POWER P.W. BOARD ASS'Y (SFL-9711A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC9001 | STR-W6765-F5 | IC | | |
| IC9051 | TL431/A/-T | IC | | |
| D9001 | MTZJ33B-T2 | Z DIODE | | |
| D9004 | FR105GT-T3 | SI DIODE | | |
| D9005 | 1SS133-T2 | SI DIODE | | |
| D9006 | FR105GT-T3 | SI DIODE | | |
| D9008 | SARS01-T2 | FR DIODE | | |
| D9009 | SARS01-T2 | FR DIODE | | |
| D9011 | 1SS133-T2 | SI DIODE | | |
| D9021 | D2SBA60 | BRIDGE DIODE | | |
| D9022 | FR105GT-T3 | SI DIODE | | |
| D9023 | 1SS133-T2 | SI DIODE | | |
| D9051 | RU3AM-LFC4 | SI DIODE | | |
| D9053 | FMX-22S | SI DIODE | | |
| D9054 | FR105GT-T3 | SI DIODE | | |
| D9055 | MTZJ33B-T2 | Z DIODE | | |
| D9056 | RK14-T3 | SB DIODE | | |
| D9071 | RU3AM-LFC4 | SI DIODE | | |
| C9001 | QEZ0802-687 | E CAPACITOR | 680uF | |
| C9002 | QFP32JK-332 | PP CAPACITOR | 3300pF 630V K | |
| C9003 | QCZ0354-471Z | C CAPACITOR | 470pF 2kV K | |
| C9004 | QCS31HJ-471Z | C CAPACITOR | 470pF 50V J | |
| C9006 | QCB31HK-152Z | C CAPACITOR | 1500pF 50V K | |
| C9008 | QFLC1HJ-104Z | M CAPACITOR | 0.1uF 50V J | |
| C9010 | QEHR1HM-335Z | E CAPACITOR | 3.3uF 50V M | |
| C9011 | QEHR1HM-226Z | E CAPACITOR | 22uF 50V M | |
| C9012 | QFLC1HJ-104Z | M CAPACITOR | 0.1uF 50V J | |
| ⚠C9024 | QFZ9075-224 | MPP CAPACITOR | 0.22uF AC275V M | |
| C9051 | QECR1EM-687Z | E CAPACITOR | 680uF 25V M | |
| C9054 | QECQ1EM-188 | E CAPACITOR | 1800uF 25V M | |
| C9055 | QEHR2AM-106Z | E CAPACITOR | 10uF 100V M | |
| C9057 | QFLC1HJ-104Z | M CAPACITOR | 0.1uF 50V J | |
| C9060 | QECQ1EM-188 | E CAPACITOR | 1800uF 25V M | |
| C9061 | QECQ1CM-128 | E CAPACITOR | 1200uF 16V M | |
| C9072 | QECR1EM-687Z | E CAPACITOR | 680uF 25V M | |
| C9073 | QEHR1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C9076 | QEHR1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C9078 | QFN31HJ-222Z | M CAPACITOR | 2200pF 50V J | |
| ⚠C9903 | QCZ9079-471 | C CAPACITOR | 470pF AC250V K | |
| R9001 | QRK126J-221X | UNF C RESISTOR | 220Ω 1/2W J | |
| R9002 | QRX01GJ-R39 | MF RESISTOR | 0.39Ω 1W J | |
| R9003 | QRX01GJ-R82 | MF RESISTOR | 0.82Ω 1W J | |
| R9004 | QRL029J-473 | OMF RESISTOR | 47kΩ 2W J | |
| R9006 | QRE121J-102Y | C RESISTOR | 1kΩ 1/2W J | |
| R9008 | QRE121J-564Y | C RESISTOR | 560kΩ 1/2W J | |
| R9009 | QRL039J-220 | OMF RESISTOR | 22Ω 3W J | |
| R9010 | QRE121J-101Y | C RESISTOR | 100Ω 1/2W J | |
| R9011 | QRE141J-332Y | C RESISTOR | 3.3kΩ 1/4W J | |
| R9012 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J | |
| R9021 | QRF074K-3R3 | UNF WW RESISTOR | 3.3Ω 7W K | |
| R9022 | QRE121J-224Y | C RESISTOR | 220kΩ 1/2W J | |
| R9023 | QRE121J-224Y | C RESISTOR | 220kΩ 1/2W J | |
| R9024 | QRE141J-473Y | C RESISTOR | 47kΩ 1/4W J | |
| R9050 | QRG01GJ-821 | OMF RESISTOR | 820Ω 1W J | |
| R9051 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J | |
| R9053 | QRE141J-123Y | C RESISTOR | 12kΩ 1/4W J | |
| R9055 | QRA14CF-1802Y | CMF RESISTOR | 18kΩ 1/4W F | |
| R9057 | QRA14CF-3301Y | CMF RESISTOR | 3.3kΩ 1/4W F | |
| R9059 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J | |
| R9060 | QRL029J-152 | OMF RESISTOR | 1.5kΩ 2W J | |
| R9071 | QRG01GJ-821 | OMF RESISTOR | 820Ω 1W J | |
| L9056 | QQL01BK-101Z | PEAKING COIL | 100uH K | |
| ⚠T9001 | QQS0341-001 | SW TRANSF | | |
| CN900D | WJK0050-013A-E | E-SI C WIRE C-B | | |
| ⚠CP9001 | QMFZ043-5R0Z-J1 | FUSE | 5A AC250V | |
| ⚠CP9071 | QMFZ034-5R0Z-J1 | FUSE | 5A 125V | |
| ⚠CP9072 | QMFZ034-5R0Z-J1 | FUSE | 5A 125V | |
| ⚠CP9073 | ICP-N50-T | IC PROTECTOR | 2.0A | |
| ⚠CP9074 | ICP-N70-T | IC PROTECTOR | 2.5A | |
| K9051 | QQR0621-002Z | FERRITE BEADS | | |
| K9071 | QQR0621-002Z | FERRITE BEADS | | |
| K9075 | QQR0621-002Z | FERRITE BEADS | | |
| ⚠LF9001 | QQR1085-003 | LINE FILTER | | |
| ⚠PC9001 | PS2581AL1/QW/ | PHOTO COUPLER | | |

## DIGITAL P.W. BOARD ASS'Y (SFL0D189A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC6001 | JCC5068 | IC | | |
| IC6002 | SN74LVC1G08V-X | IC | | |
| IC6101 | EDD1232AAFA-6B | IC | | |
| IC6102 | LP2996MR-X | IC | | |
| IC6250 | UPC5702GS-027-X | IC | | |
| IC6251 | R1170H331B-X | IC | | |
| IC6502 | THC63LVDM83R-W | IC | | |
| IC6724 | S-80928CLNB-G-W | IC | | |
| IC6901 | R1141Q331B-X | IC | | |
| IC7033 | CD74HC4094PW-X | IC | | |
| IC7036 | ADC081S021CIS-X | IC | | |
| IC7201 | 39VF800A7IEKD80 | IC(MICRO C ROM) | | |
| IC7203 | HY57V161610ETP7 | IC | | |
| IC7204 | S-80928CLNB-G-W | IC | | |
| IC7601 | M306V7MG-153FP | IC(MCU) | | |
| IC7602 | ATF16-40X667S | IC(DIGITAL) | (SERVICE) | |
| IC7603 | SN74AHCT1G08V-X | IC | | |
| IC7604 | SN74LVC1G04V-X | IC | | |
| IC7605 | MM1673XN-X | IC | | |
| IC7606 | MM1673XN-X | IC | | |
| IC9001 | MP2263DN-C053-X | IC | | |
| IC9101 | MM1662FT-X | IC | | |
| IC9201 | MP2263DN-C053-X | IC | | |
| IC9301 | MM1701CH-X | IC | | |
| Q6201 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q6202 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q6203 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6204 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6205 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6206 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6207 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6208 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6209 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6210 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6211 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6212 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6213 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6214 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6250 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q6251 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q6501 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q6502 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q7030 | RT1N441C-X | TRANSISTOR | | |
| Q7032 | RT1P441C-X | DIGI TRANSISTOR | | |
| Q7033 | RT1P441C-X | DIGI TRANSISTOR | | |
| Q7034 | RT1P441C-X | DIGI TRANSISTOR | | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| Q7035 | RT1P441C-X | DIGI TRANSISTOR | | |
| Q7501 | RT1N441C-X | TRANSISTOR | | |
| Q9501 | RT1N441C-X | TRANSISTOR | | |
| Q9502 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9503 | 2SC3928A/QR/-X | TRANSISTOR | | |
| D6503 | 1SS355W-X | DIODE | | |
| D7502 | 1SS355W-X | DIODE | | |
| D9001 | EC30HA03L-X | SB DIODE | | |
| D9002 | EC30HA03L-X | SB DIODE | | |
| D9003 | PTZ3.9B-X | Z DIODE | | |
| D9201 | EC30HA03L-X | SB DIODE | | |
| D9202 | EC30HA03L-X | SB DIODE | | |
| D9203 | PTZ3.9B-X | Z DIODE | | |
| D9204 | 1SS355W-X | DIODE | | |
| D9501 | 1SS355W-X | DIODE | | |
| D9502 | 1SS355W-X | DIODE | | |
| C6002 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6101 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6103 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6107 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6109 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6111 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6112 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6113 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6114 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6116 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6117 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6118 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6119 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6121 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6122 | NEHL0JM-107X | E CAPACITOR | 100uF 6.3V M | |
| C6123 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6124 | NEHL0JM-107X | E CAPACITOR | 100uF 6.3V M | |
| C6125 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6126 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6128 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6130 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6132 | NEHL1EM-226X | E CAPACITOR | 22uF 25V M | |
| C6133 | NCB31CK-154X | C CAPACITOR | 0.15uF 16V K | |
| C6134 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6135 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6139 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6205 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6211 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6217 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6218 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6219 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6220 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6227 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6228 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6229 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6236 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6237 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6238 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6239 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6240 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6241 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6242 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6243 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6244 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6245 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6246 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6247 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6248 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6249 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6250 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6251 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6252 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6253 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6254 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6255 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6260 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6261 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6262 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6263 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6268 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6270 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6271 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6272 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6273 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6274 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6276 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6277 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6278 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6279 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6280 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6282 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6283 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6284 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6285 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6286 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6288 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6289 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6291 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6293 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6294 | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M | |
| C6295 | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M | |
| C6296 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6297 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6299 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6300 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6301 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6520 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6521 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6522 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6523 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6524 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6525 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6531 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6532 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6573 | NCB21CK-105X | C CAPACITOR | 1uF 16V K | |
| C6602 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6603 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6610 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6611 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6612 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6613 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6614 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6615 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6616 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6617 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6618 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6619 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6620 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6621 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6622 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6623 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6624 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6625 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6626 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6627 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6628 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6629 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6630 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6631 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6632 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6633 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6634 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6635 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6636 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6637 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6638 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6639 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6640 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6641 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6642 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6643 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6644 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6645 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6656 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6657 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6658 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6659 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6660 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6661 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6677 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6678 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6679 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6680 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6681 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6682 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6683 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6684 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6685 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6686 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6687 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6688 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6689 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6690 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6691 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6692 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6693 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6694 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6695 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6696 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6697 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6698 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6699 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C6701 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z | |
| C6723 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | |
| C6724 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C6901 | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M | |
| C6902 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6903 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6904 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6905 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6906 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6907 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6908 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6909 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6910 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6911 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6912 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6913 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6914 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6915 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6916 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6917 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6918 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6919 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6921 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6922 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6923 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6924 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6925 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6926 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6927 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6928 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6929 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C7030 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7031 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7034 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K | |
| C7039 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C7040 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C7044 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7051 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7052 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7053 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7054 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7055 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7056 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7057 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7058 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7059 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7060 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7061 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7062 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7063 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7064 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7065 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7066 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7067 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7068 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7073 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7202 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7203 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7204 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7205 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7206 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7207 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7208 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7209 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7211 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C7215 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | |
| C7501 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C7506 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7507 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7508 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7510 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7514 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7515 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7517 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7601 | NCB11CK-105X | C CAPACITOR | 1uF 16V K | |
| C7602 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7603 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7604 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C7605 | NCB31HK-221X | C CAPACITOR | 220pF 50V K | |
| C7606 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C7607 | NCB31HK-681X | C CAPACITOR | 680pF 50V K | |
| C7608 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7609 | NCB31HK-681X | C CAPACITOR | 680pF 50V K | |
| C7610 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C7611 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J | |
| C7612 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C7615 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7616 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7617 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7618 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C7619 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C7620 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z | |
| C7621 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C7631 | NCB31AK-224X | C CAPACITOR | 0.22uF 10V K | |
| C7632 | NCB31AK-224X | C CAPACITOR | 0.22uF 10V K | |
| C7633 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J | |
| C9001 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C9002 | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K | |
| C9003 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C9004 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9005 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9006 | NDC31HJ-120X | C CAPACITOR | 12pF 50V J | |
| C9007 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9010 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9101 | NCB11CK-475X | C CAPACITOR | 4.7uF 16V K | |
| C9103 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K | |
| C9201 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C9202 | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K | |
| C9204 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9205 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9206 | NDC31HJ-120X | C CAPACITOR | 12pF 50V J | |
| C9207 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K | |
| C9208 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9209 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9211 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K | |
| C9302 | NCB11CK-475X | C CAPACITOR | 4.7uF 16V K | |
| C9303 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9304 | NCB11CK-475X | C CAPACITOR | 4.7uF 16V K | |
| C9501 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C9502 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| R6002 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6003 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6006 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6008 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6009 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6014 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6017 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6018 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6019 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6020 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6073 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6074 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6075 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6080 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6101 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6102 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6103 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6104 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6105 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6106 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6107 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R6108 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R6109 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6110 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6111 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6112 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6113 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6114 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6115 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6116 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6117 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6118 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6119 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6120 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6121 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6122 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6127 | NRSA63J-1R5X | MG RESISTOR | 1.5Ω 1/16W J | |
| R6141 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6142 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6201 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6202 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6203 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6204 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6205 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R6207 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6209 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6214 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6215 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6216 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6217 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6220 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R6227 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6228 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R6229 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R6230 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6231 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6232 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6233 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6234 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R6235 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6236 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6237 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R6238 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6239 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6240 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R6241 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6242 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6243 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6244 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6245 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6246 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R6247 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R6248 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6249 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R6251 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6252 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6253 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R6254 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R6255 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6256 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6257 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R6258 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R6259 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6260 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6261 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R6262 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R6263 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6264 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6265 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6266 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R6267 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6268 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6269 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6270 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6271 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6273 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6274 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6275 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6276 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6277 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6279 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6280 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6281 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6282 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6283 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6284 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6285 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6286 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6287 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6288 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6289 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6290 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6291 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6292 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6297 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6298 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6300 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6302 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6305 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6332 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6333 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6338 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6339 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6503 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6521 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6522 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6523 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6524 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6525 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6529 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6531 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6532 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6533 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6534 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6536 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6537 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6538 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6539 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6542 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6548 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6569 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6575 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6576 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6595 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R6596 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R6599 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6607 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6609 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6611 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R6707 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6712 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6713 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6730 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6731 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6732 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6921 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6922 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6923 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6924 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7031 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7032 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R7033 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7034 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7036 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7039 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7041 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R7042 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R7044 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7047 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7049 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7051 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7052 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7054 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7055 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7056 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7057 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7058 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7059 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7060 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J | |
| R7061 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7062 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7063 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7064 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7065 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7066 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R7067 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R7068 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7069 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7070 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7071 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7072 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7077 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R7078 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R7081 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7084 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R7085 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R7086 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7087 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7088 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7089 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7091 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7092 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7093 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7094 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7095 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7097 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7098 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7099 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7100 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7103 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7106 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7109 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7112 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7113 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7123 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7124 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7125 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7127 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7131 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7157 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7170 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7171 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7172 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7173 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7174 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7175 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7176 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7177 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7178 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7179 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7184 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7187 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7192 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7201 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7202 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7203 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7207 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7208 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7211 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R7214 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7215 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7216 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7217 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7221 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7223 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7224 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7225 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7238 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7243 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7349 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7350 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7351 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7370 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7501 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7502 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7504 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R7505 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7512 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7513 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7514 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7515 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7601 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7602 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7603 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7604 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7605 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R7606 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R7607 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R7608 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R7611 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7612 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R7613 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7614 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7615 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7616 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7618 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7619 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7620 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7622 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7623 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7624 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7625 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7626 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7627 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7628 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R7631 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7632 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R7634 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7635 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R7643 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7644 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7646 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7649 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7658 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7659 | NRSA63J-560X | MG RESISTOR | 56Ω 1/16W J | |
| R7661 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7662 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8796 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8797 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8798 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8799 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9001 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9002 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9003 | NRSA63D-273X | MG RESISTOR | 27kΩ 1/16W D | |
| R9004 | NRSA63J-684X | MG RESISTOR | 680kΩ 1/16W J | |
| R9005 | NRSA63D-103X | MG RESISTOR | 10kΩ 1/16W D | |
| R9006 | NRSA63J-512X | MG RESISTOR | 5.1kΩ 1/16W J | |
| R9007 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9008 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9201 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9202 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9203 | NRSA63D-302X | MG RESISTOR | 3kΩ 1/16W D | |
| R9205 | NRSA63D-103X | MG RESISTOR | 10kΩ 1/16W D | |
| R9206 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R9207 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9209 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9306 | NCB21EK-102X | C CAPACITOR | 1000pF 25V K | |
| R9308 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9501 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9502 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9503 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J | |
| R9504 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9505 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9506 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9507 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9508 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9509 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9510 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| RA6001 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| RA6002 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6007 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6008 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6009 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6010 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6011 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6101 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6102 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6103 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6104 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6105 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6106 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6107 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6108 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6109 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6110 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6111 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6112 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6113 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6114 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6115 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6116 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6531 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6541 | NRZ0033-0R0W | NET RESISTOR | 0Ω | |
| RA6542 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6543 | NRZ0033-0R0W | NET RESISTOR | 0Ω | |
| RA6544 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6545 | NRZ0033-0R0W | NET RESISTOR | 0Ω | |
| RA6546 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA7202 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7203 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7204 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7205 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7503 | NQR0271-004X | EMI FILTER | | |
| RA7601 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7602 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7603 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7605 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7606 | NRZ0034-101W | NET RESISTOR | 100Ω 1/32W J x4 | |
| L6101 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| L6102 | NQL79GM-220X | COIL | 22uH M | |
| L6103 | NQL79GM-220X | COIL | 22uH M | |
| L6115 | NQR0499-001X | FERRITE BEADS | | |
| L6254 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| L6265 | NQR0499-001X | FERRITE BEADS | | |
| L6266 | NQR0499-001X | FERRITE BEADS | | |
| L6502 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| L6521 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| L6522 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| L6523 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| L6531 | NQR0199-007X | FERRITE BEADS | | |
| L6701 | NQR0413-003X | FERRITE BEADS | | |
| L6911 | NQR0499-001X | FERRITE BEADS | | |
| L6912 | NQR0499-001X | FERRITE BEADS | | |
| L6922 | NQL79GM-220X | COIL | 22uH M | |
| L6924 | NQL79GM-220X | COIL | 22uH M | |
| L6925 | NQL79GM-220X | COIL | 22uH M | |
| L6931 | NQR0499-001X | FERRITE BEADS | | |
| L7501 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| L7502 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| L9001 | NQLC8CM-150X | COIL | 15uH M | |
| L9201 | NQLC8CM-150X | COIL | 15uH M | |
| L9306 | NQR0351-003X | FERRITE BEADS | | |
| L9307 | NQR0351-003X | FERRITE BEADS | | |
| CN001 | QGF0508C2-50W | CONNECTOR | FFC/FPC (1-50) | |
| CN002 | QGF0508C2-40W | CONNECTOR | FFC/FPC (1-40) | |
| J8501 | NNZ0117-001 | CONNECTOR | DIGITAL IN-1 | |
| J8502 | NNZ0117-001 | CONNECTOR | DIGITAL IN-2 | |
| K6250 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6268 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6271 | NQR0499-001X | FERRITE BEADS | | |
| K6272 | NQR0499-001X | FERRITE BEADS | | |
| K6274 | NQR0499-001X | FERRITE BEADS | | |
| K6921 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7032 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7033 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7034 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7202 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| K7211 | NQR0499-002X | FERRITE BEADS | | |
| K7501 | NQR0413-002X | FERRITE BEADS | | |
| K7504 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| K7601 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| LC6501 | NQR0479-001X | EMI FILTER | | |
| LC7505 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| LC9303 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| LC9305 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| LC9307 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| X6250 | NAX0580-001X | CXO | 27.0000MHz | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| X7001 | NAX0669-001X | C RESONATOR | 6.000MHz | |
| X7601 | NAX0613-001X | C RESONATOR | 16.000MHz | |

## ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2204A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| ⚠MD001 | SSD-2204A-M2 | ATSC TUNER MODULE PWB | | |

# PRINTED WIRING BOARD PARTS LIST [LT-40X787/S]

## ANALOG P.W. BOARD ASS'Y (SFL-1312A-M2)

REFER TO PARTS LIST IN PAGE 3-8 FOR THIS P.W. BOARD.

## SD CARD P.W. BOARD ASS'Y (SFL-1305A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

## OPTICAL P.W. BOARD ASS'Y (SFL-2501A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

## D-AMP P.W. BOARD ASS'Y (SFL-6302A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

## SW P.W. BOARD ASS'Y (SFL-7210A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

## LED P.W. BOARD ASS'Y (SFL-8712A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

## MAIN POWER P.W. BOARD ASS'Y (SFL-9060A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

## DC-DC P.W. BOARD ASS'Y (SFL-9161A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

## SUB POWER P.W. BOARD ASS'Y (SFL-9711A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

## DIGITAL P.W. BOARD ASS'Y (SFL0D186A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC6001 | JCC5068 | IC | | |
| IC6002 | SN74LVC1G08V-X | IC | | |
| IC6101 | EDD1232AAFA-6B | IC | | |
| IC6102 | LP2996MR-X | IC | | |
| IC6250 | UPC5702GS-027-X | IC | | |
| IC6251 | R1170H331B-X | IC | | |
| IC6502 | THC63LVDM83R-W | IC | | |
| IC6724 | S-80928CLNB-G-W | IC | | |
| IC6901 | R1141Q331B-X | IC | | |
| IC7033 | CD74HC4094PW-X | IC | | |
| IC7036 | ADC081S021CIS-X | IC | | |
| IC7201 | 39VF800A7IEKD80 | IC(MICRO C ROM) | | |
| IC7203 | M12L16161A-7TG | IC | | |
| IC7204 | S-80928CLNB-G-W | IC | | |
| IC7601 | M306V7MG-153FP | IC(MCU) | | |
| IC7602 | ATF16-40X787S | IC(DIGITAL) | (SERVICE) | |
| IC7603 | SN74AHCT1G08V-X | IC | | |
| IC7604 | SN74LVC1G04V-X | IC | | |
| IC7605 | MM1673XN-X | IC | | |
| IC7606 | MM1673XN-X | IC | | |
| IC9001 | MP2263DN-C053-X | IC | | |
| IC9101 | MM1662FT-X | IC | | |
| IC9201 | MP2263DN-C053-X | IC | | |
| IC9301 | MM1701CH-X | IC | | |
| Q6201 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q6202 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q6203 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6204 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6205 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6206 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6207 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6208 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6209 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6210 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6211 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6212 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6213 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6214 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6250 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q6251 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q6501 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q6502 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q7030 | RT1N441C-X | TRANSISTOR | | |
| Q7032 | RT1P441C-X | DIGI TRANSISTOR | | |
| Q7033 | RT1P441C-X | DIGI TRANSISTOR | | |
| Q7034 | RT1P441C-X | DIGI TRANSISTOR | | |
| Q7035 | RT1P441C-X | DIGI TRANSISTOR | | |
| Q7501 | RT1N441C-X | TRANSISTOR | | |
| Q9501 | RT1N441C-X | TRANSISTOR | | |
| Q9502 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9503 | 2SC3928A/QR/-X | TRANSISTOR | | |
| D6503 | 1SS355W-X | DIODE | | |
| D7502 | 1SS355W-X | DIODE | | |
| D9001 | EC30HA03L-X | SB DIODE | | |
| D9002 | EC30HA03L-X | SB DIODE | | |
| D9003 | PTZ3.9B-X | Z DIODE | | |
| D9201 | EC30HA03L-X | SB DIODE | | |
| D9202 | EC30HA03L-X | SB DIODE | | |
| D9203 | PTZ3.9B-X | Z DIODE | | |
| D9204 | 1SS355W-X | DIODE | | |
| D9501 | 1SS355W-X | DIODE | | |
| D9502 | 1SS355W-X | DIODE | | |
| C6002 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6101 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6103 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6107 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6109 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6111 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6112 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6113 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6114 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6116 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6117 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6118 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6119 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6121 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6122 | NEHL0JM-107X | E CAPACITOR | 100uF 6.3V M | |
| C6123 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6124 | NEHL0JM-107X | E CAPACITOR | 100uF 6.3V M | |
| C6125 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6126 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6128 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6130 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6132 | NEHL1EM-226X | E CAPACITOR | 22uF 25V M | |
| C6133 | NCB31CK-154X | C CAPACITOR | 0.15uF 16V K | |
| C6134 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6135 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6139 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6205 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6211 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6217 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6218 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6219 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6220 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6227 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6228 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6229 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6236 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6237 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6238 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6239 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6240 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6241 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6242 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6243 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6244 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6245 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6246 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6247 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6248 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6249 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6250 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6251 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6252 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C6253 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6254 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6255 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6260 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6261 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6262 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6263 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6268 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6270 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6271 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6272 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6273 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6274 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6276 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6277 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6278 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6279 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6280 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6282 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6283 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6284 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6285 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6286 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6288 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6289 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6291 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6293 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6294 | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M | |
| C6295 | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M | |
| C6296 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6297 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6299 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6300 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6301 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6520 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6521 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6522 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6523 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6524 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6525 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6531 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6532 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6573 | NCB21CK-105X | C CAPACITOR | 1uF 16V K | |
| C6602 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6603 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6610 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6611 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6612 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6613 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6614 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6615 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6616 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6617 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6618 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6619 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6620 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6621 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6622 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6623 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6624 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6625 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6626 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6627 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6628 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6629 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6630 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6631 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6632 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6633 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6634 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6635 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6636 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6637 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6638 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6639 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6640 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6641 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6642 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6643 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6644 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6645 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6656 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6657 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6658 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6659 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6660 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6661 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6677 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6678 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6679 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6680 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6681 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6682 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6683 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6684 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6685 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6686 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6687 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6688 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6689 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6690 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6691 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6692 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6693 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6694 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6695 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6696 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6697 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6698 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6699 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6701 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z | |
| C6723 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | |
| C6724 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C6901 | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M | |
| C6902 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6903 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6904 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6905 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6906 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6907 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6908 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6909 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6910 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6911 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6912 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6913 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6914 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6915 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6916 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6917 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6918 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6919 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6921 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6922 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6923 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6924 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6925 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6926 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6927 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6928 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6929 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C7030 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7031 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7034 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K | |
| C7039 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C7040 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C7044 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7051 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7052 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7053 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7054 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7055 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7056 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7057 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7058 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7059 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7060 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7061 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7062 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7063 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7064 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7065 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7066 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7067 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7068 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7073 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7202 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7203 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7204 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7205 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7206 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7207 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7208 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7209 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7211 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C7215 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | |
| C7501 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C7506 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7507 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7508 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C7510 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7514 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7515 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7517 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7601 | NCB11CK-105X | C CAPACITOR | 1uF 16V K | |
| C7602 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7603 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7604 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C7605 | NCB31HK-221X | C CAPACITOR | 220pF 50V K | |
| C7606 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C7607 | NCB31HK-681X | C CAPACITOR | 680pF 50V K | |
| C7608 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7609 | NCB31HK-681X | C CAPACITOR | 680pF 50V K | |
| C7610 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C7611 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J | |
| C7612 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C7615 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7616 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7617 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7618 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z | |
| C7619 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C7620 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z | |
| C7621 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C7631 | NCB31AK-224X | C CAPACITOR | 0.22uF 10V K | |
| C7632 | NCB31AK-224X | C CAPACITOR | 0.22uF 10V K | |
| C7633 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J | |
| C9001 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C9002 | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K | |
| C9003 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C9004 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9005 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9006 | NDC31HJ-120X | C CAPACITOR | 12pF 50V J | |
| C9007 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9010 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9101 | NCB11CK-475X | C CAPACITOR | 4.7uF 16V K | |
| C9103 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K | |
| C9201 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C9202 | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K | |
| C9204 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9205 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9206 | NDC31HJ-120X | C CAPACITOR | 12pF 50V J | |
| C9207 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K | |
| C9208 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9209 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9211 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K | |
| C9302 | NCB11CK-475X | C CAPACITOR | 4.7uF 16V K | |
| C9303 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9304 | NCB11CK-475X | C CAPACITOR | 4.7uF 16V K | |
| C9501 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C9502 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| | | | | |
| R6002 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6003 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6006 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6008 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6009 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6014 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6017 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6018 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6019 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6020 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6073 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6074 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6075 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6080 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6101 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6102 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6103 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6104 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6105 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6106 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6107 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R6108 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R6109 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6110 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6111 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6112 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6113 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6114 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6115 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6116 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6117 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6118 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6119 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6120 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6121 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6122 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6127 | NRSA63J-1R5X | MG RESISTOR | 1.5Ω 1/16W J | |
| R6141 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6142 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R6201 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6202 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6203 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6204 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6205 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R6207 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6209 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6214 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6215 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6216 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6217 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6220 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R6227 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6228 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R6229 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R6230 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6231 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6232 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6233 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6234 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6235 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6236 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6237 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R6238 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6239 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6240 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R6241 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6242 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6243 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6244 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6245 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6246 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R6247 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R6248 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6249 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R6251 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6252 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6253 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R6254 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R6255 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6256 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6257 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R6258 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R6259 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6260 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6261 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R6262 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R6263 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6264 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6265 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6266 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R6267 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6268 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6269 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6270 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6271 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6273 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6274 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6275 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6276 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6277 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6279 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6280 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6281 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6282 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6283 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6284 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6285 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6286 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6287 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6288 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6289 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6290 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6291 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6292 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6297 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6298 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6300 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6302 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6305 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6332 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6333 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6338 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6339 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6503 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6521 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6522 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6523 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6524 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6525 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R6529 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6531 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6532 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6533 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6534 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6536 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6537 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6538 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6539 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6542 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6548 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6569 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6575 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6576 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6595 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R6596 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R6599 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6607 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6609 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6611 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6707 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6712 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6713 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6730 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6731 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6732 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6921 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6922 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6923 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6924 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7031 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7032 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R7033 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7034 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7036 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7039 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7041 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R7042 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R7044 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7047 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7049 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7051 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7052 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7054 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7055 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7056 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7057 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7058 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7059 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7060 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J | |
| R7061 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7062 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7063 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7064 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7065 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7066 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R7067 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R7068 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7069 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7070 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7071 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7072 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7077 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R7078 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R7081 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7084 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R7085 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R7086 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7087 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7088 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7089 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7091 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7092 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7093 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7094 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7095 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7097 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7098 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7099 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7100 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7103 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7106 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7109 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7112 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7113 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7123 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7124 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7125 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7127 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7131 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7157 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7170 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7171 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7172 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7173 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7174 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7175 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7176 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7177 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7178 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7179 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7184 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7187 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7192 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7201 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7202 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7203 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7207 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7208 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7211 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7214 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7215 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7216 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7217 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7221 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7223 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7224 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7225 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7238 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7243 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7349 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7350 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7351 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7370 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7501 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7502 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7504 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R7505 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7512 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7513 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7514 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7515 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7601 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7602 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7603 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7604 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7605 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R7606 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R7607 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R7608 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R7611 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7612 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R7613 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7614 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7615 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7616 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7618 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7619 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7620 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7622 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7623 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7624 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7625 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7626 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7627 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7628 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R7631 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7632 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R7634 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7635 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R7643 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7644 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7646 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7649 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7658 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7659 | NRSA63J-560X | MG RESISTOR | 56Ω 1/16W J | |
| R7661 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7662 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8796 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8797 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8798 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8799 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9001 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9002 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9003 | NRSA63D-273X | MG RESISTOR | 27kΩ 1/16W D | |
| R9004 | NRSA63J-684X | MG RESISTOR | 680kΩ 1/16W J | |
| R9005 | NRSA63D-103X | MG RESISTOR | 10kΩ 1/16W D | |
| R9006 | NRSA63J-512X | MG RESISTOR | 5.1kΩ 1/16W J | |
| R9007 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9008 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R9201 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9202 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9203 | NRSA63D-302X | MG RESISTOR | 3kΩ 1/16W D | |
| R9205 | NRSA63D-103X | MG RESISTOR | 10kΩ 1/16W D | |
| R9206 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R9207 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9209 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9306 | NCB21EK-102X | C CAPACITOR | 1000pF 25V K | |
| R9308 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9501 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9502 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9503 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J | |
| R9504 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9505 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9506 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9507 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9508 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9509 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9510 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| RA6001 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6002 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6007 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6008 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6009 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6010 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6011 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6101 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6102 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6103 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6104 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6105 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6106 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6107 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6108 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6109 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6110 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6111 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6112 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6113 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6114 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6115 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6116 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6531 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6541 | NRZ0033-0R0W | NET RESISTOR | 0Ω | |
| RA6542 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6543 | NRZ0033-0R0W | NET RESISTOR | 0Ω | |
| RA6544 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6545 | NRZ0033-0R0W | NET RESISTOR | 0Ω | |
| RA6546 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA7202 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7203 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7204 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7205 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7503 | NQR0271-004X | EMI FILTER | | |
| RA7601 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7602 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7603 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7605 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7606 | NRZ0034-101W | NET RESISTOR | 100Ω 1/32W J x4 | |
| | | | | |
| L6101 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| L6102 | NQL79GM-220X | COIL | 22uH M | |
| L6103 | NQL79GM-220X | COIL | 22uH M | |
| L6115 | NQR0499-001X | FERRITE BEADS | | |
| L6254 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| L6265 | NQR0499-001X | FERRITE BEADS | | |
| L6266 | NQR0499-001X | FERRITE BEADS | | |
| L6502 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| L6521 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| L6522 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| L6523 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| L6531 | NQR0199-007X | FERRITE BEADS | | |
| L6701 | NQR0413-003X | FERRITE BEADS | | |
| L6911 | NQR0499-001X | FERRITE BEADS | | |
| L6912 | NQR0499-001X | FERRITE BEADS | | |
| L6922 | NQL79GM-220X | COIL | 22uH M | |
| L6924 | NQL79GM-220X | COIL | 22uH M | |
| L6925 | NQL79GM-220X | COIL | 22uH M | |
| L6931 | NQR0499-001X | FERRITE BEADS | | |
| L7501 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| L7502 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| L9001 | NQLC8CM-150X | COIL | 15uH M | |
| L9201 | NQLC8CM-150X | COIL | 15uH M | |
| L9306 | NQR0351-003X | FERRITE BEADS | | |
| L9307 | NQR0351-003X | FERRITE BEADS | | |
| | | | | |
| CN001 | QGF0508C2-50W | CONNECTOR | FFC/FPC (1-50) | |
| CN002 | QGF0508C2-40W | CONNECTOR | FFC/FPC (1-40) | |
| J8501 | NNZ0117-001 | CONNECTOR | DIGITAL IN-1 | |
| J8502 | NNZ0117-001 | CONNECTOR | DIGITAL IN-2 | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| K6250 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6268 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6271 | NQR0499-001X | FERRITE BEADS | | |
| K6272 | NQR0499-001X | FERRITE BEADS | | |
| K6274 | NQR0499-001X | FERRITE BEADS | | |
| K6921 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7032 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7033 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7034 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7202 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| K7211 | NQR0499-002X | FERRITE BEADS | | |
| K7501 | NQR0413-002X | FERRITE BEADS | | |
| K7504 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| K7601 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| LC6501 | NQR0479-001X | EMI FILTER | | |
| LC7505 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| LC9303 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| LC9305 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| LC9307 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| X6250 | NAX0580-001X | CXO | 27.0000MHz | |
| X7001 | NAX0669-001X | C RESONATOR | 6.000MHz | |
| X7601 | NAX0613-001X | C RESONATOR | 16.000MHz | |

## ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2204A-M2)

REFER TO PARTS LIST IN PAGE 3-20 FOR THIS P.W. BOARD.

# PRINTED WIRING BOARD PARTS LIST [LT-40X887/S]

## ANALOG P.W. BOARD ASS'Y (SFL-1312A-M2)

REFER TO PARTS LIST IN PAGE 3-8 FOR THIS P.W. BOARD.

## SD CARD P.W. BOARD ASS'Y (SFL-1305A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

## OPTICAL P.W. BOARD ASS'Y (SFL-2501A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

## D-AMP P.W. BOARD ASS'Y (SFL-6302A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

## SW P.W. BOARD ASS'Y (SFL-7210A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

## LED P.W. BOARD ASS'Y (SFL-8712A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

## MAIN POWER P.W. BOARD ASS'Y (SFL-9060A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

## DC-DC P.W. BOARD ASS'Y (SFL-9161A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

## SUB POWER P.W. BOARD ASS'Y (SFL-9711A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

## DIGITAL P.W. BOARD ASS'Y (SFL0D171A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC6001 | JCC5068 | IC | | |
| IC6002 | SN74LVC1G08V-X | IC | | |
| IC6101 | EDD1232AAFA-6B | IC | | |
| IC6102 | LP2996MR-X | IC | | |
| IC6250 | UPC5702GS-027-X | IC | | |
| IC6251 | R1170H331B-X | IC | | |
| IC6502 | THC63LVDM83R-W | IC | | |
| IC6724 | S-80928CLNB-G-W | IC | | |
| IC6901 | R1141Q331B-X | IC | | |
| IC7033 | CD74HC4094PW-X | IC | | |
| IC7036 | ADC081S021CIS-X | IC | | |
| IC7201 | 39VF800A7IEKD80 | IC(MICRO C ROM) | | |
| IC7203 | M12L16161A-7TG | IC | | |
| IC7204 | S-80928CLNB-G-W | IC | | |
| IC7601 | M306V7MG-153FP | IC(MCU) | | |
| IC7602 | ATF16-40X887S | IC(DIGITAL) | (SERVICE) | |
| IC7603 | SN74AHCT1G08V-X | IC | | |
| IC7604 | SN74LVC1G04V-X | IC | | |
| IC7605 | MM1673XN-X | IC | | |
| IC7606 | MM1673XN-X | IC | | |
| IC9001 | MP2263DN-C053-X | IC | | |
| IC9101 | MM1662FT-X | IC | | |
| IC9201 | MP2263DN-C053-X | IC | | |
| IC9301 | MM1701CH-X | IC | | |
| Q6201 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q6202 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q6203 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6204 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6205 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6206 | 2SA1022/BC/-X | TRANSISTOR | | |
| Q6207 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6208 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6209 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6210 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6211 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6212 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6213 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6214 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q6250 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q6251 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q6501 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q6502 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q7030 | RT1N441C-X | TRANSISTOR | | |
| Q7032 | RT1P441C-X | DIGI TRANSISTOR | | |
| Q7033 | RT1P441C-X | DIGI TRANSISTOR | | |
| Q7034 | RT1P441C-X | DIGI TRANSISTOR | | |
| Q7035 | RT1P441C-X | DIGI TRANSISTOR | | |
| Q7501 | RT1N441C-X | TRANSISTOR | | |
| Q9501 | RT1N441C-X | TRANSISTOR | | |
| Q9502 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q9503 | 2SC3928A/QR/-X | TRANSISTOR | | |
| D6503 | 1SS355W-X | DIODE | | |
| D7502 | 1SS355W-X | DIODE | | |
| D9001 | EC30HA03L-X | SB DIODE | | |
| D9002 | EC30HA03L-X | SB DIODE | | |
| D9003 | PTZ3.9B-X | Z DIODE | | |
| D9201 | EC30HA03L-X | SB DIODE | | |
| D9202 | EC30HA03L-X | SB DIODE | | |
| D9203 | PTZ3.9B-X | Z DIODE | | |
| D9204 | 1SS355W-X | DIODE | | |
| D9501 | 1SS355W-X | DIODE | | |
| D9502 | 1SS355W-X | DIODE | | |
| C6002 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6101 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6103 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6107 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6109 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6111 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6112 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6113 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6114 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6116 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6117 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6118 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6119 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6121 | NCB31AK-474X | C CAPACITOR | 0.47uF 10V K | |
| C6122 | NEHL0JM-107X | E CAPACITOR | 100uF 6.3V M | |
| C6123 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6124 | NEHL0JM-107X | E CAPACITOR | 100uF 6.3V M | |
| C6125 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6126 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6128 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6130 | NCB30JK-225X | C CAPACITOR | 2.2uF 6.3V K | |
| C6132 | NEHL1EM-226X | E CAPACITOR | 22uF 25V M | |
| C6133 | NCB31CK-154X | C CAPACITOR | 0.15uF 16V K | |
| C6134 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6135 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6139 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6205 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6211 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6217 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6218 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6219 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6220 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6227 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6228 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6229 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6236 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6237 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6238 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6239 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6240 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6241 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6242 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6243 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6244 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6245 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6246 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6247 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6248 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6249 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C6250 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6251 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6252 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C6253 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6254 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6255 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6260 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6261 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6262 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6263 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C6268 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6270 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6271 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6272 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6273 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6274 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6276 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6277 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6278 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6279 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6280 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6282 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6283 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6284 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6285 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6286 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6288 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6289 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6291 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6293 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6294 | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M | |
| C6295 | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M | |
| C6296 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6297 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6299 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6300 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6301 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6520 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6521 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6522 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6523 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6524 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6525 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6531 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6532 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6573 | NCB21CK-105X | C CAPACITOR | 1uF 16V K | |
| C6602 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6603 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6610 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6611 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6612 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6613 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6614 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6615 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6616 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6617 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6618 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6619 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6620 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6621 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6622 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6623 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6624 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6625 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6626 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6627 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6628 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6629 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6630 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6631 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6632 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6633 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6634 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6635 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6636 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6637 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6638 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6639 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6640 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6641 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6642 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6643 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6644 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6645 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6656 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6657 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6658 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6659 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6660 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6661 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6677 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6678 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6679 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6680 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6681 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6682 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6683 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6684 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6685 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6686 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6687 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6688 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6689 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6690 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6691 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6692 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6693 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6694 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6695 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6696 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6697 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6698 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6699 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C6701 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z | |
| C6723 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K | |
| C6724 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C6901 | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M | |
| C6902 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6903 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6904 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6905 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6906 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6907 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6908 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6909 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6910 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6911 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6912 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6913 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6914 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6915 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6916 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6917 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6918 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6919 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6921 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6922 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6923 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6924 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6925 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6926 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6927 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C6928 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C6929 | NCB31AK-105X | C CAPACITOR | 1uF 10V K | |
| C7030 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7031 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7034 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K | |
| C7039 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C7040 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C7044 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7051 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7052 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7053 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7054 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7055 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7056 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7057 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7058 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7059 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7060 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7061 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7062 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7063 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7064 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7065 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7066 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7067 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7068 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7073 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7202 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7203 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7204 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7205 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7206 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7207 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7208 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7209 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7211 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C7215 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | |
| C7501 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C7506 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7507 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7508 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C7510 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7514 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7515 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7517 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C7601 | NCB11CK-105X | C CAPACITOR | 1uF 16V K | |
| C7602 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7603 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7604 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C7605 | NCB31HK-221X | C CAPACITOR | 220pF 50V K | |
| C7606 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C7607 | NCB31HK-681X | C CAPACITOR | 680pF 50V K | |
| C7608 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7609 | NCB31HK-681X | C CAPACITOR | 680pF 50V K | |
| C7610 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C7611 | NDC31HJ-221X | C CAPACITOR | 220pF 50V J | |
| C7612 | NCB21AK-225X | C CAPACITOR | 2.2uF 10V K | |
| C7615 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7616 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7617 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C7618 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z | |
| C7619 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C7620 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z | |
| C7621 | NCB11AK-106X | C CAPACITOR | 10uF 10V K | |
| C7631 | NCB31AK-224X | C CAPACITOR | 0.22uF 10V K | |
| C7632 | NCB31AK-224X | C CAPACITOR | 0.22uF 10V K | |
| C7633 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J | |
| C9001 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C9002 | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K | |
| C9003 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C9004 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9005 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9006 | NDC31HJ-120X | C CAPACITOR | 12pF 50V J | |
| C9007 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9010 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9101 | NCB11CK-475X | C CAPACITOR | 4.7uF 16V K | |
| C9103 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K | |
| C9201 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J | |
| C9202 | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K | |
| C9204 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9205 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9206 | NDC31HJ-120X | C CAPACITOR | 12pF 50V J | |
| C9207 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K | |
| C9208 | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K | |
| C9209 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C9211 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K | |
| C9302 | NCB11CK-475X | C CAPACITOR | 4.7uF 16V K | |
| C9303 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C9304 | NCB11CK-475X | C CAPACITOR | 4.7uF 16V K | |
| C9501 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| C9502 | NCB31CK-105X | C CAPACITOR | 1uF 16V K | |
| R6002 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6003 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6006 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6008 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6009 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6014 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6017 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6018 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6019 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6020 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6073 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6074 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6075 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6080 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6101 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6102 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6103 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6104 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6105 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6106 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6107 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R6108 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R6109 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6110 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6111 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6112 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6113 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6114 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6115 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6116 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6117 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6118 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6119 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6120 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6121 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6122 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R6127 | NRSA63J-1R5X | MG RESISTOR | 1.5Ω 1/16W J | |
| R6141 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6142 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6201 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6202 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6203 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6204 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6205 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R6207 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6209 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6214 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6215 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6216 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6217 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6220 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R6227 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6228 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R6229 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R6230 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6231 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6232 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6233 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6234 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6235 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6236 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6237 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R6238 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6239 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6240 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R6241 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6242 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6243 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6244 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6245 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6246 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R6247 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R6248 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6249 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R6251 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6252 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6253 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R6254 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R6255 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6256 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6257 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R6258 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R6259 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6260 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6261 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R6262 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R6263 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6264 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6265 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6266 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R6267 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R6268 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6269 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6270 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6271 | NRSA63D-242X | MG RESISTOR | 2.4kΩ 1/16W D | |
| R6273 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6274 | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J | |
| R6275 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6276 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6277 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6279 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6280 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6281 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6282 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R6283 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6284 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6285 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6286 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6287 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6288 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R6289 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6290 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6291 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6292 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6297 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6298 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6300 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6302 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6305 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6332 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6333 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6338 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6339 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6503 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6521 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6522 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6523 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6524 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6525 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R6529 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6531 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6532 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6533 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6534 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6536 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6537 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6538 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6539 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R6542 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6548 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6569 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6575 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6576 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6595 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R6596 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R6599 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R6607 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6609 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R6611 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R6707 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6712 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6713 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6730 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6731 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6732 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6921 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6922 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6923 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R6924 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7031 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7032 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R7033 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7034 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7036 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7039 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7041 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R7042 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R7044 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7047 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7049 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7051 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7052 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7054 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7055 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7056 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7057 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7058 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7059 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7060 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J | |
| R7061 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7062 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7063 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7064 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7065 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7066 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R7067 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R7068 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7069 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7070 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7071 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7072 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7077 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R7078 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R7081 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7084 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R7085 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R7086 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7087 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7088 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7089 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7091 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7092 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7093 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7094 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7095 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7097 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7098 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7099 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7100 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7103 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7106 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7109 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7112 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7113 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7123 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7124 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7125 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7127 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7131 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7157 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7170 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7171 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7172 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7173 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7174 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7175 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7176 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7177 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7178 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7179 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7184 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7187 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7192 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7201 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7202 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7203 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7207 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7208 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7211 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7214 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7215 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7216 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7217 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7221 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7223 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7224 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7225 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R7238 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7243 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7349 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7350 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7351 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7370 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7501 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7502 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7504 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R7505 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7512 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7513 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7514 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7515 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7601 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7602 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7603 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7604 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7605 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R7606 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R7607 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R7608 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R7611 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7612 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R7613 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7614 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7615 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7616 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7618 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7619 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7620 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7622 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7623 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7624 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7625 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7626 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7627 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7628 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R7631 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7632 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R7634 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R7635 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R7643 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7644 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7646 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7649 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7658 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R7659 | NRSA63J-560X | MG RESISTOR | 56Ω 1/16W J | |
| R7661 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R7662 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8796 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8797 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8798 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R8799 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9001 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9002 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9003 | NRSA63D-273X | MG RESISTOR | 27kΩ 1/16W D | |
| R9004 | NRSA63J-684X | MG RESISTOR | 680kΩ 1/16W J | |
| R9005 | NRSA63D-103X | MG RESISTOR | 10kΩ 1/16W D | |
| R9006 | NRSA63J-512X | MG RESISTOR | 5.1kΩ 1/16W J | |
| R9007 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9008 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R9201 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R9202 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9203 | NRSA63D-302X | MG RESISTOR | 3kΩ 1/16W D | |
| R9205 | NRSA63D-103X | MG RESISTOR | 10kΩ 1/16W D | |
| R9206 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R9207 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| R9209 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9306 | NCB21EK-102X | C CAPACITOR | 1000pF 25V K | |
| R9308 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R9501 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R9502 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9503 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J | |
| R9504 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9505 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9506 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9507 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9508 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R9509 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R9510 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| RA6001 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6002 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6007 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6008 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6009 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6010 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6011 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6101 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6102 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6103 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6104 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6105 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6106 | NRZ0040-220X | NET RESISTOR | 22Ω 1/16W J x4 | |
| RA6107 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6108 | NRZ0080-220X | NET RESISTOR | 22Ω 1/16W J | |
| RA6109 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6110 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6111 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6112 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6113 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6114 | NRZ0040-470X | NET RESISTOR | 47Ω 1/16W J x4 | |
| RA6115 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6116 | NRZ0080-470X | NET RESISTOR | 47Ω 1/16W J | |
| RA6531 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA6541 | NRZ0033-0R0W | NET RESISTOR | 0Ω | |
| RA6542 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6543 | NRZ0033-0R0W | NET RESISTOR | 0Ω | |
| RA6544 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA6545 | NRZ0033-0R0W | NET RESISTOR | 0Ω | |
| RA6546 | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J | |
| RA7202 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7203 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7204 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7205 | NRZ0080-473X | NET RESISTOR | 47kΩ | |
| RA7503 | NQR0271-004X | EMI FILTER | | |
| RA7601 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7602 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7603 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7605 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| RA7606 | NRZ0034-101W | NET RESISTOR | 100Ω 1/32W J x4 | |
| L6101 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| L6102 | NQL79GM-220X | COIL | 22uH M | |
| L6103 | NQL79GM-220X | COIL | 22uH M | |
| L6115 | NQR0499-001X | FERRITE BEADS | | |
| L6254 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| L6265 | NQR0499-001X | FERRITE BEADS | | |
| L6266 | NQR0499-001X | FERRITE BEADS | | |
| L6502 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| L6521 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| L6522 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| L6523 | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4 | |
| L6531 | NQR0199-007X | FERRITE BEADS | | |
| L6701 | NQR0413-003X | FERRITE BEADS | | |
| L6911 | NQR0499-001X | FERRITE BEADS | | |
| L6912 | NQR0499-001X | FERRITE BEADS | | |
| L6922 | NQL79GM-220X | COIL | 22uH M | |
| L6924 | NQL79GM-220X | COIL | 22uH M | |
| L6925 | NQL79GM-220X | COIL | 22uH M | |
| L6931 | NQR0499-001X | FERRITE BEADS | | |
| L7501 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| L7502 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| L9001 | NQLC8CM-150X | COIL | 15uH M | |
| L9201 | NQLC8CM-150X | COIL | 15uH M | |
| L9306 | NQR0351-003X | FERRITE BEADS | | |
| L9307 | NQR0351-003X | FERRITE BEADS | | |
| CN001 | QGF0508C2-50W | CONNECTOR | FFC/FPC (1-50) | |
| CN002 | QGF0508C2-40W | CONNECTOR | FFC/FPC (1-40) | |
| J8501 | NNZ0117-001 | CONNECTOR | DIGITAL IN-1 | |
| J8502 | NNZ0117-001 | CONNECTOR | DIGITAL IN-2 | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| K6250 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6268 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K6271 | NQR0499-001X | FERRITE BEADS | | |
| K6272 | NQR0499-001X | FERRITE BEADS | | |
| K6274 | NQR0499-001X | FERRITE BEADS | | |
| K6921 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7032 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7033 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7034 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K7202 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| K7211 | NQR0499-002X | FERRITE BEADS | | |
| K7501 | NQR0413-002X | FERRITE BEADS | | |
| K7504 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| K7601 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J | |
| K8505 | NQR0413-002X | FERRITE BEADS | | |
| K8510 | NQR0413-002X | FERRITE BEADS | | |
| LC6501 | NQR0479-001X | EMI FILTER | | |
| LC7505 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| LC9303 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| LC9305 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| LC9307 | NQR0483-005X | EMI FILTER | 100uF 25V Z | |
| X6250 | NAX0580-001X | CXO | 27.0000MHz | |
| X7001 | NAX0669-001X | C RESONATOR | 6.000MHz | |
| X7601 | NAX0613-001X | C RESONATOR | 16.000MHz | |

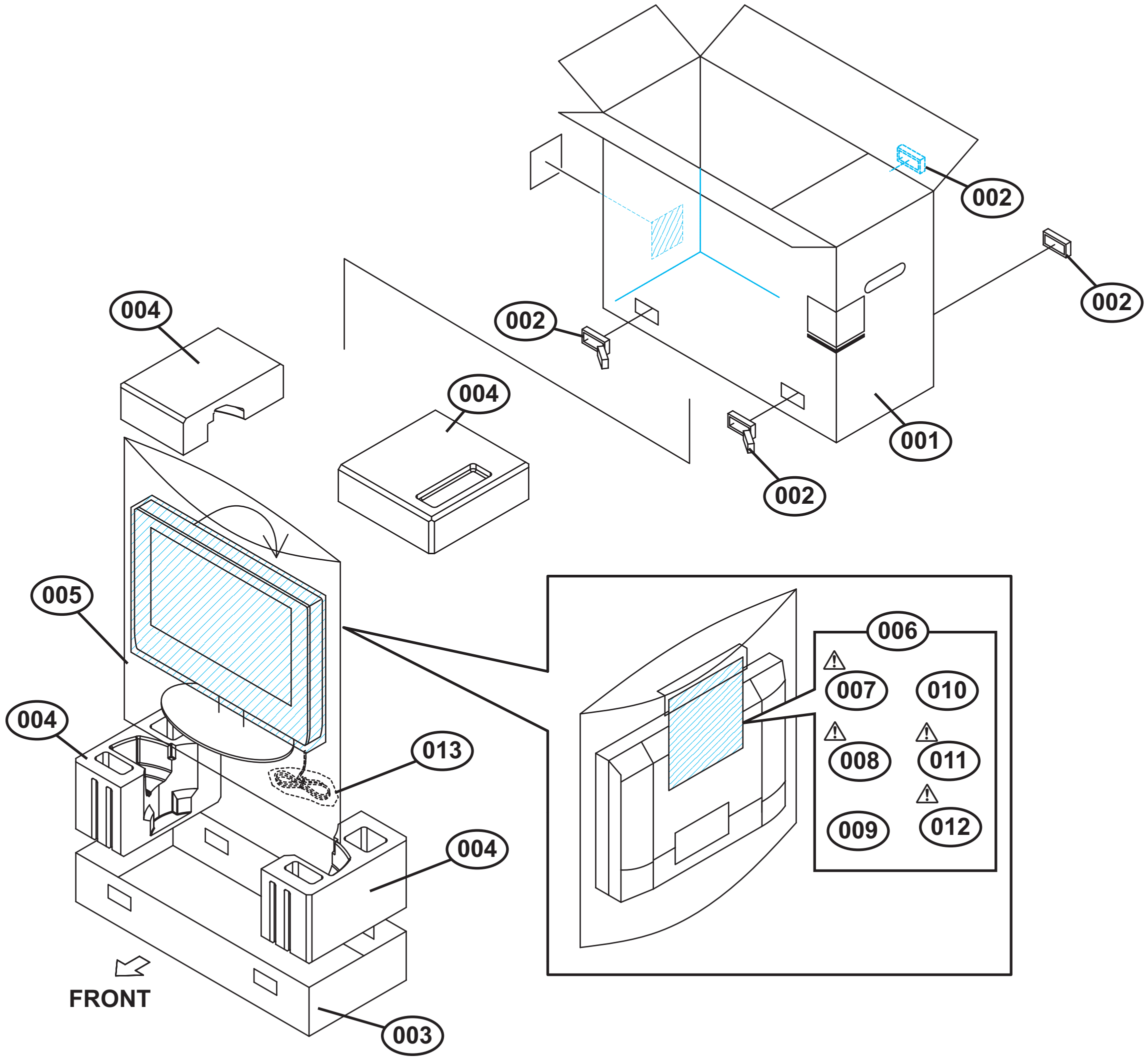
## ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2204A-M2)

REFER TO PARTS LIST IN PAGE 3-20 FOR THIS P.W. BOARD.

# REMOTE CONTROL UNIT PARTS LIST (RM-C18G-1H)

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | | UR77EC1403A | BATTERY COVER | | |

# PACKING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003

# PACKING PARTS LIST

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | 001 | LC21941-002A-A | PACKING CASE | TOP | |
| | 002 | LC32958-001A | JOINT | (x4) | |
| | 003 | LC21942-001A-A | PACKING CASE | BOTTOM | |
| | 004 | LC12626-001A-A | CUSION ASSY | 4pcs in 1set | |
| | 005 | GQ30092-006A-A | POLY BAG | | LT-40X667S |
| | 005 | CP30974-001 | POLY BAG | | LT-40X787S,LT-40X887S |
| | 006 | QPA02503505P | POLY BAG | 25cm x 35cm | |
| ⚠ | 007 | ------------ | WARRANTY CARD | BT-52006-2Q | |
| ⚠ | 008 | BT-51034-2Q | REGIST. CARD | | |
| | 009 | ------------ | BATTERY | R6P/AA(x2) | |
| | 010 | RM-C18G-1H | REMOTE CONTROL UNIT | | |
| ⚠ | 011 | LCT2104-001B-A | INST BOOK | English | |
| ⚠ | 012 | LCT2105-001B-A | INST BOOK | French | |
| | 013 | QPA01002305 | POLY BAG | 10cm x 23cm | |

JVC

# SCHEMATIC DIAGRAMS

## LCD PANEL TELEVISION

## LT-40X667/S,LT-40X787/S, LT-40X887/S

**CD-ROM No.SML200606**

| BASIC CHASSIS |
|---|
| FL4 |

I'Art™ PALETTE

GENESSA

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

HDTV

DCR

DOLBY DIGITAL

MaxxBass®

[LT-40X887/S]

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**No.YA430**
**2006/6**

# LT-40X667/S, LT-40X787/S, LT-40X887/S

# STANDARD CIRCUIT DIAGRAM

## ■ NOTE ON USING CIRCUIT DIAGRAMS

### 1.SAFETY

**The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.**

### 2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

| | |
|---|---|
| (1)Input signal | : Colour bar signal |
| (2)Setting positions of each knob/button and variable resistor | : Original setting position when shipped |
| (3)Internal resistance of tester | : DC 20kΩ/V |
| (4)Oscilloscope sweeping time | : H ⇒ 20μs / div |
| | : V ⇒ 5ms / div |
| | : Othters ⇒ Sweeping time is specified |
| (5)Voltage values | : All DC voltage values |

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

### 3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R1209 → R209

### 4.INDICATIONS ON THE CIRCUIT DIAGRAM

**(1)Resistors**

● Resistance value

| | |
|---|---|
| No unit | : [Ω] |
| K | : [kΩ] |
| M | : [MΩ] |

● Rated allowable power

| | |
|---|---|
| No indication | : 1/16 [W] |
| Others | : As specified |

● Type

| | |
|---|---|
| No indication | : Carbon resistor |
| OMR | : Oxide metal film resistor |
| MFR | : Metal film resistor |
| MPR | : Metal plate resistor |
| UNFR | : Uninflammable resistor |
| FR | : Fusible resistor |

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

**(2)Capacitors**

● Capacitance value

| | |
|---|---|
| 1 or higher | : [pF] |
| less than 1 | : [μF] |

● Withstand voltage

| | |
|---|---|
| No indication | : DC50[V] |
| Others | : DC withstand voltage [V] |
| AC indicated | : AC withstand voltage [V] |

∗ Electrolytic Capacitors
47/50[Example]: Capacitance value [μF]/withstand voltage[V]

● Type

| | |
|---|---|
| No indication | : Ceramic capacitor |
| MM | : Metalized mylar capacitor |
| PP | : Polypropylene capacitor |
| MPP | : Metalized polypropylene capacitor |
| MF | : Metalized film capacitor |
| TF | : Thin film capacitor |
| BP | : Bipolar electrolytic capacitor |
| TAN | : Tantalum capacitor |

**(3)Coils**

| | |
|---|---|
| No unit | : [μH] |
| Others | : As specified |

**(4)Power Supply**

| | | | |
|---|---|---|---|
| ═══ | : B1 | ▬■■■■▬ | : B2 (12V) |
| ■□■□ | : 9V | □□□□ | : 5V |

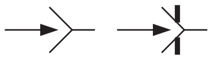
∗ Respective voltage values are indicated

**(5)Test point**

◉ : Test point ○ : Only test point display

**(6)Connecting method**

▭ : Connector ○ : Wrapping or soldering


: Receptacle

**(7)Ground symbol**

| | |
|---|---|
| ⊥ | : LIVE side ground |
| ⏊ | : ISOLATED(NEUTRAL) side ground |
| ⏚ | : EARTH ground |
| ▽ | : DIGITAL ground |

### 5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : ( ⊥ ) side GND and the ISOLATED(NEUTRAL) : (⏊) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus ( oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time.
If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

**NOTE**

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
**When ordering parts, please use the numbers that appear in the Parts List.**

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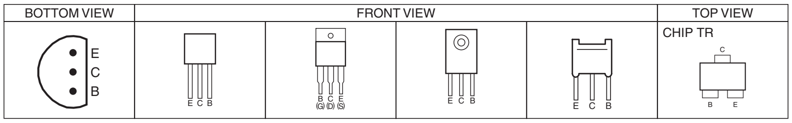
# USING P.W. BOARD

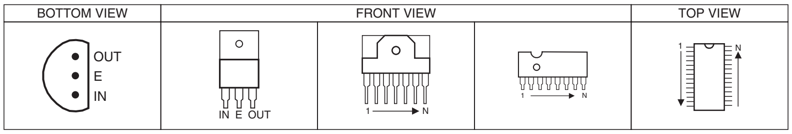
| PWB ASS'Y name | LT-40X667/S | LT-40X787/S | LT-40X887/S |
|---|---|---|---|
| SD CARD P.W. BOARD | SFL-1305A-M2 | ← | ← |
| ANALOG P.W. BOARD | SFL-1312A-M2 | ← | ← |
| OPTICAL P.W. BOARD | SFL-2501A-M2 | ← | ← |
| D-AMP P.W. BOARD | SFL-6302A-M2 | ← | ← |
| SW P.W. BOARD | SFL-7210A-M2 | ← | ← |
| LED P.W. BOARD | SFL-8712A-M2 | ← | ← |
| MAIN POWER P.W. BOARD | SFL-9060A-M2 | ← | ← |
| DC-DC P.W. BOARD | SFL-9161A-M2 | ← | ← |
| SUB POWER P.W. BOARD | SFL-9711A-M2 | ← | ← |
| DIGITAL P.W. BOARD | SFL0D189A-M2 | SFL0D186A-M2 | SFL0D171A-M2 |

# SEMICONDUCTOR SHAPES

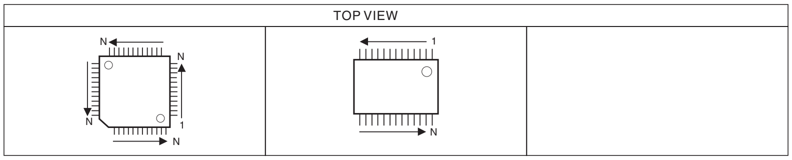
**TRANSISTOR**


BOTTOM VIEW
FRONT VIEW
TOP VIEW
E
C
B
E C B
B C E
(G) (D) (S)
E C B
E C B
CHIP TR
C
B E

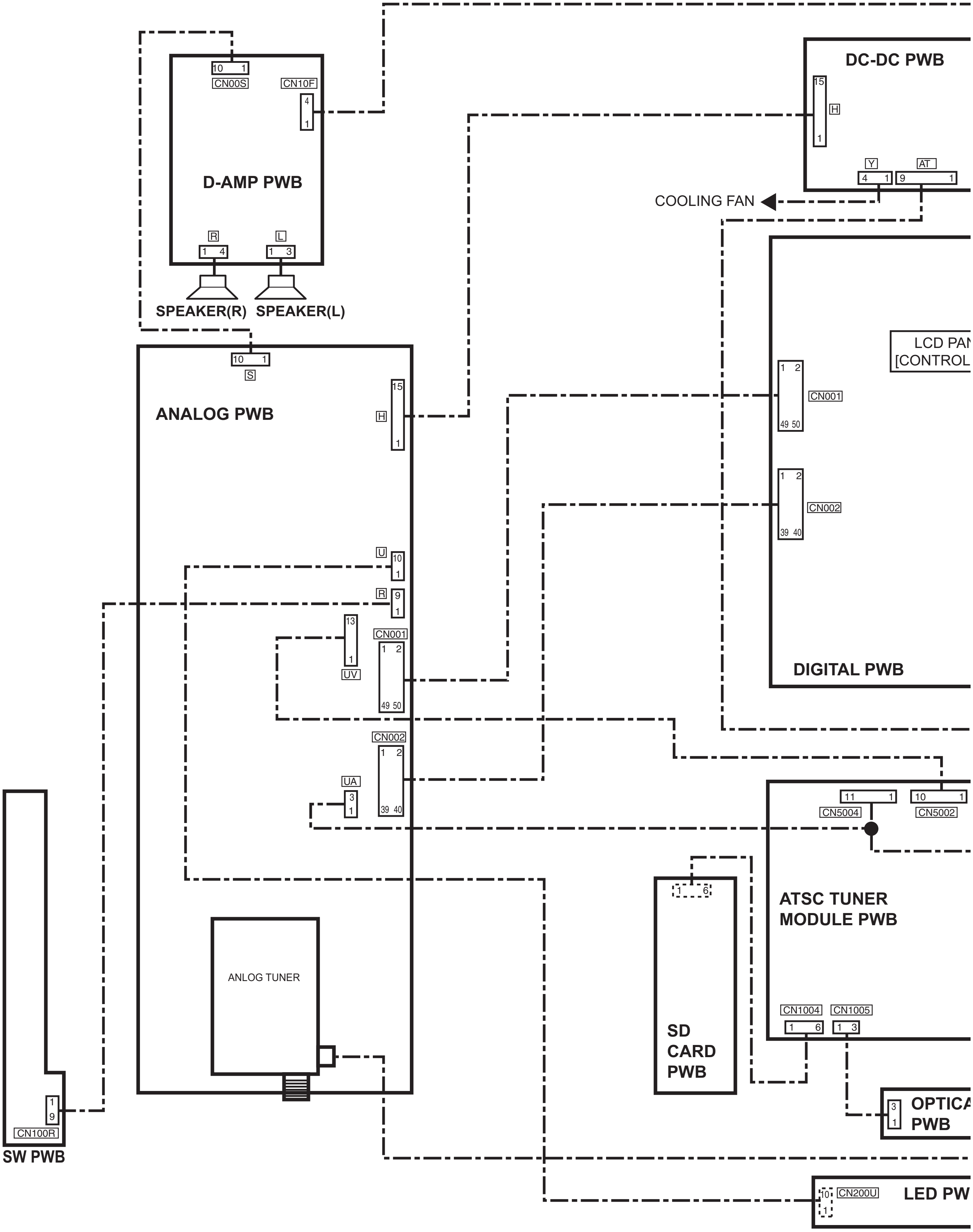
**IC**


BOTTOM VIEW
FRONT VIEW
TOP VIEW
OUT
E
IN
IN E OUT
1
N
1
N
1
N

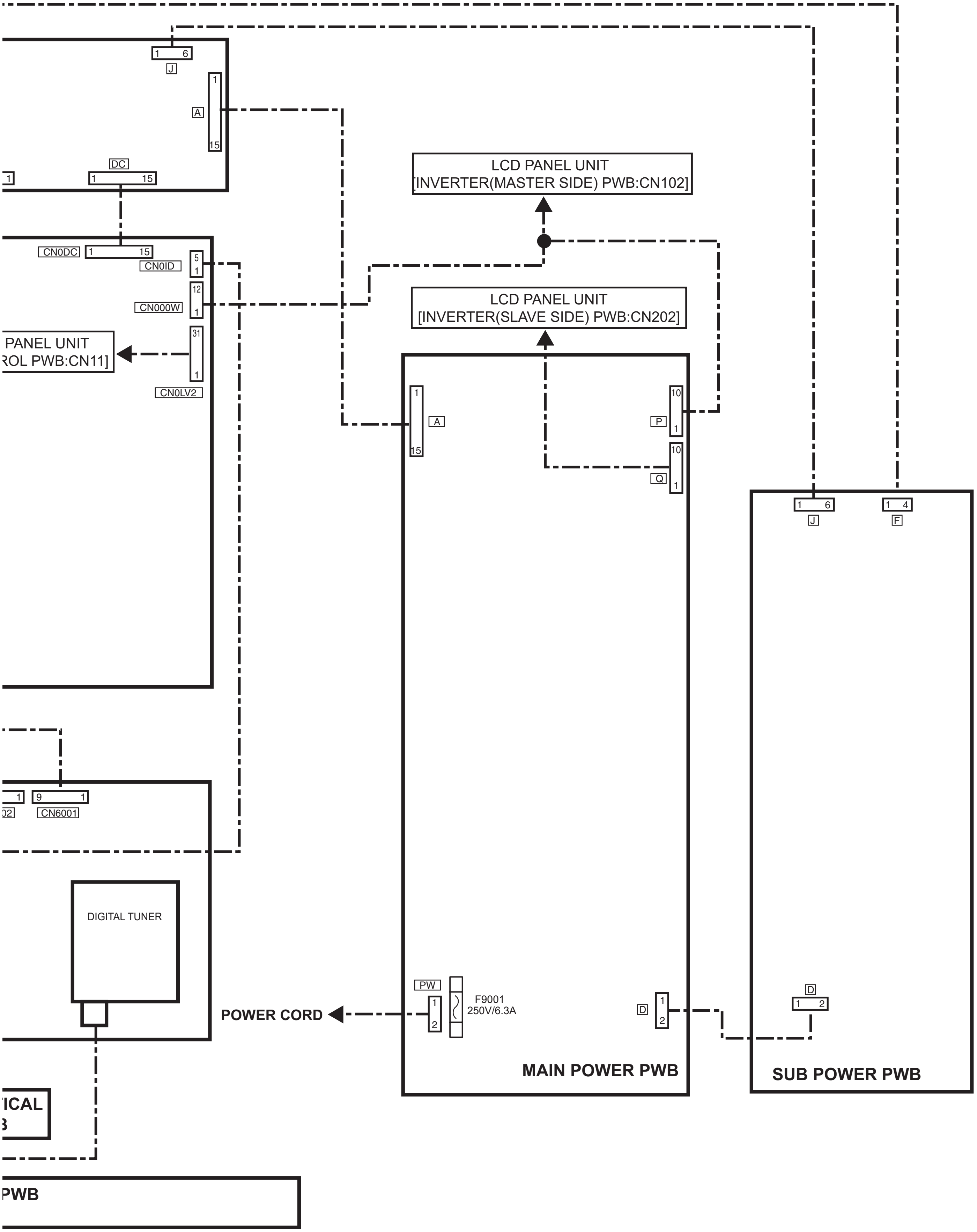
**CHIP IC**


TOP VIEW
N
N
N
1
N
1
N

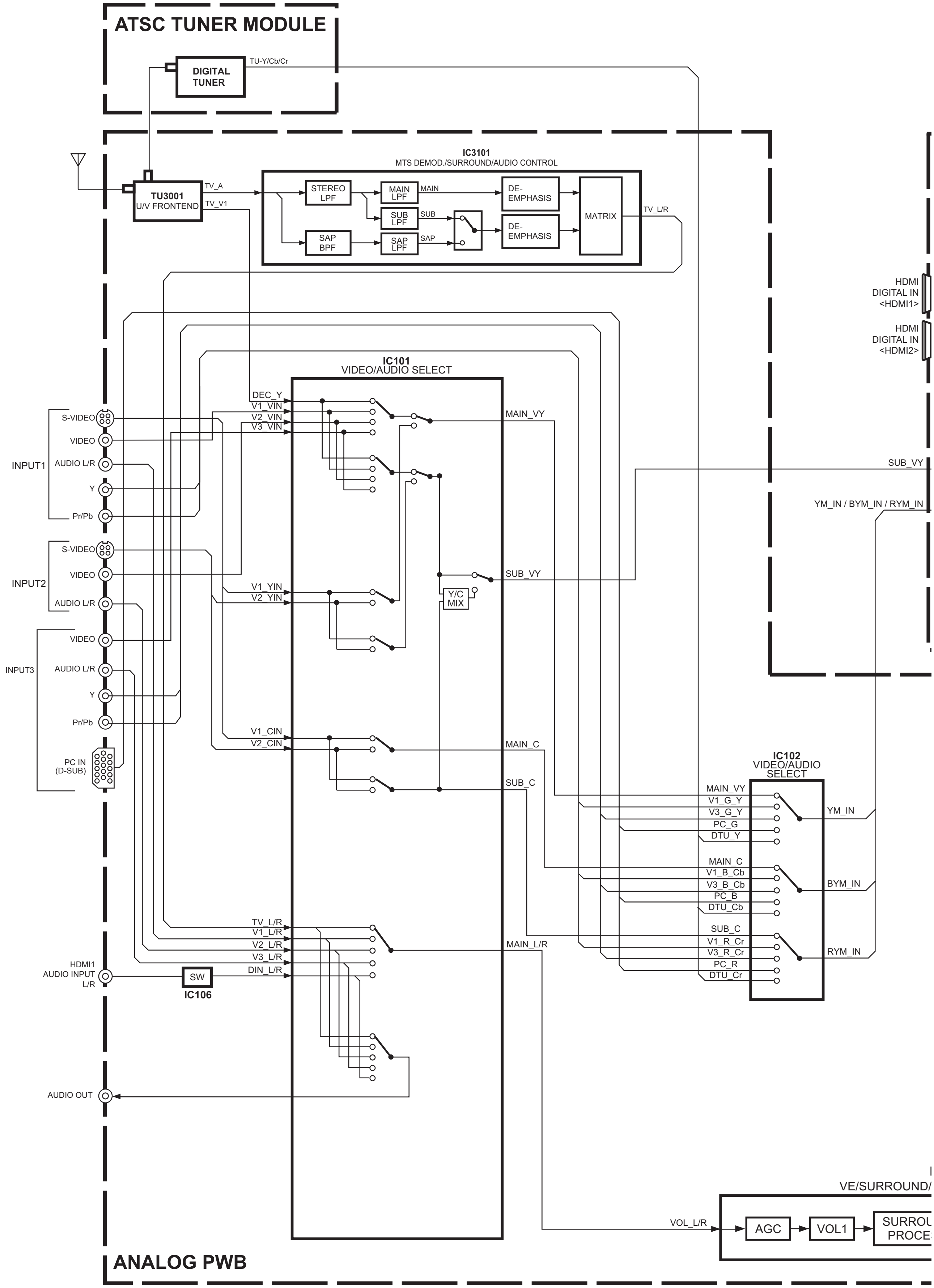
## WIRING DIAGRAM



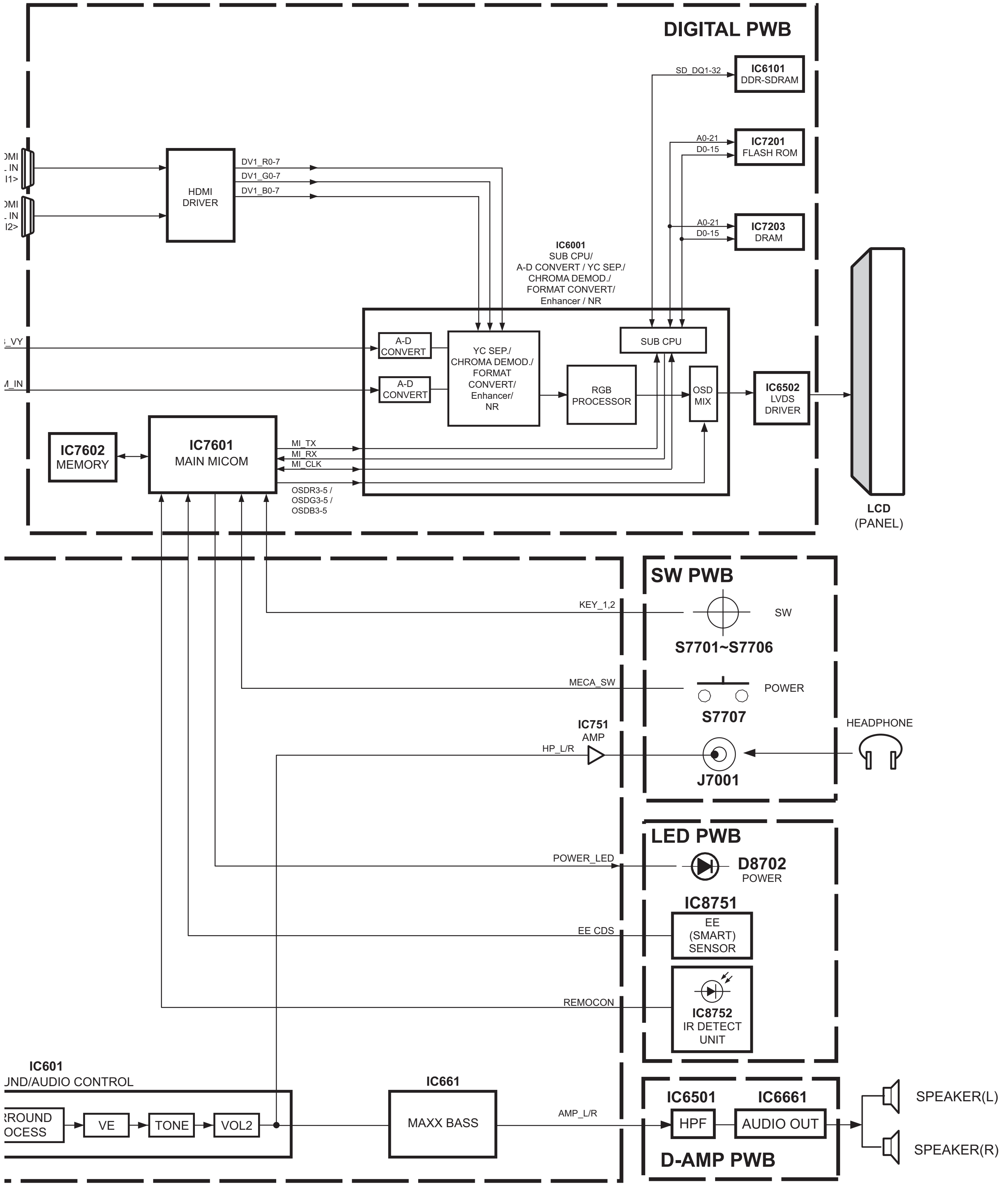
D-AMP PWB
CN00S
10 1
CN10F
4 1
R 1 4
L 1 3
SPEAKER(R)
SPEAKER(L)
DC-DC PWB
15 H 1
Y 4 1
AT 9 1
COOLING FAN
LCD PAN
[CONTROL
CN001
1 2 49 50
CN002
1 2 39 40
DIGITAL PWB
ANALOG PWB
S 10 1
H 15 1
U 10 1
R 9 1
UV 13 1
CN001
1 2 49 50
CN002
1 2 39 40
UA 3 1
ANLOG TUNER
ATSC TUNER MODULE PWB
CN5004 11 1
CN5002 10 1
CN1004 1 6
CN1005 1 3
SD CARD PWB
1 6
OPTICA PWB
3 1
LED PW
CN200U
10 1
SW PWB
CN100R
1 9


1 6
J
1
A
15
DC
1
1 15
LCD PANEL UNIT
[INVERTER(MASTER SIDE) PWB:CN102]
CN0DC
1 15
5
1
CN0ID
12
1
CN000W
LCD PANEL UNIT
[INVERTER(SLAVE SIDE) PWB:CN202]
PANEL UNIT
ROL PWB:CN11]
31
1
CN0LV2
1
A
15
10
P
1
10
Q
1
1 6
J
1 4
F
1
9 1
02
CN6001
DIGITAL TUNER
PW
1
2
F9001
250V/6.3A
POWER CORD
D
1
2
D
1 2
MAIN POWER PWB
SUB POWER PWB
ICAL
B
PWB

# BLOCK DIAGRAM

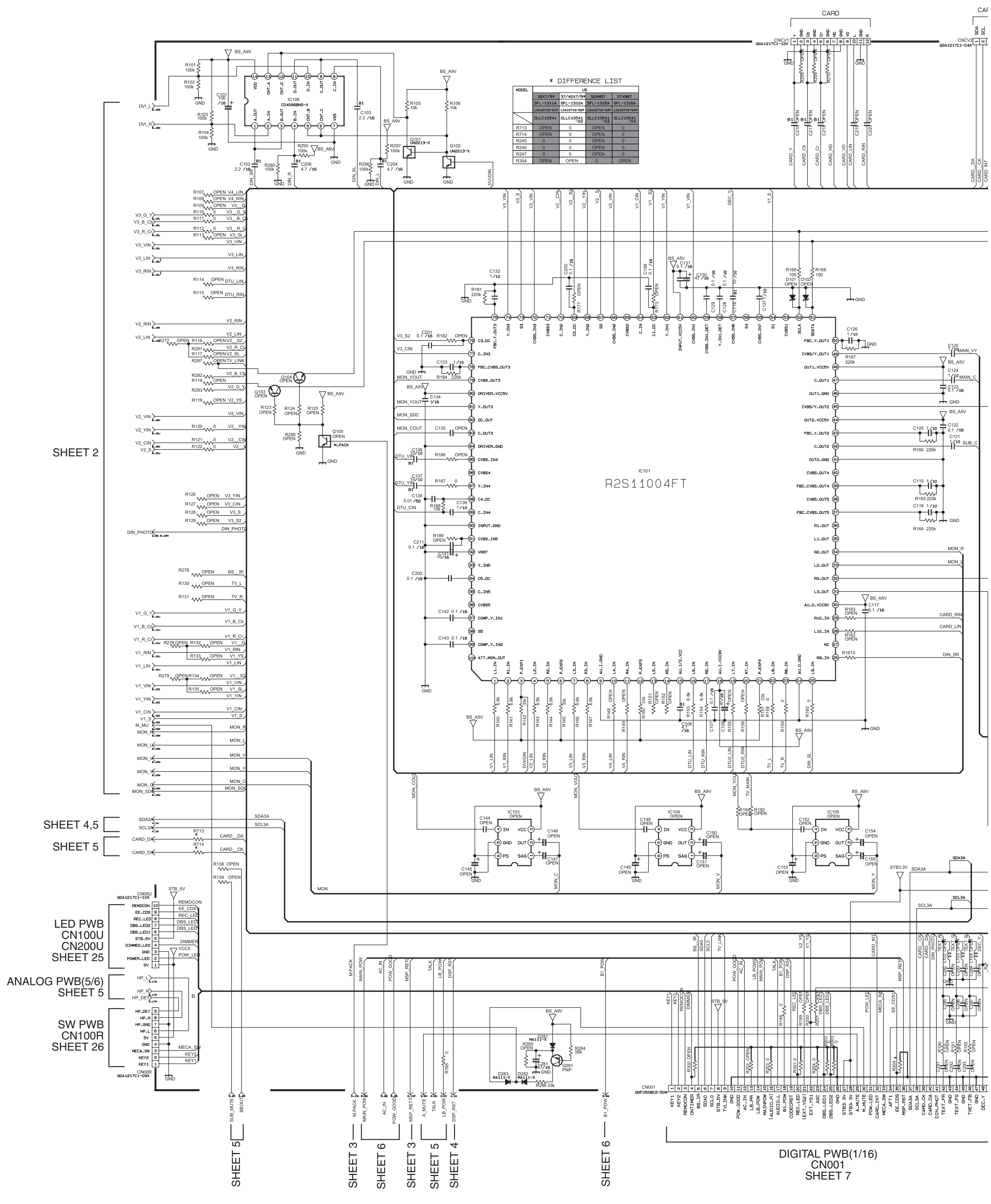


ATSC TUNER MODULE
DIGITAL TUNER
TU-Y/Cb/Cr
IC3101
MTS DEMOD./SURROUND/AUDIO CONTROL
TU3001
U/V FRONTEND
TV_A
TV_V1
STEREO LPF
SAP BPF
MAIN LPF
SUB LPF
SAP LPF
MAIN
SUB
SAP
DE-EMPHASIS
DE-EMPHASIS
MATRIX
TV_L/R
HDMI DIGITAL IN <HDMI1>
HDMI DIGITAL IN <HDMI2>
IC101
VIDEO/AUDIO SELECT
DEC_Y
V1_VIN
V2_VIN
V3_VIN
MAIN_VY
SUB_VY
YM_IN / BYM_IN / RYM_IN
S-VIDEO
VIDEO
AUDIO L/R
Y
Pr/Pb
INPUT1
S-VIDEO
VIDEO
AUDIO L/R
INPUT2
VIDEO
AUDIO L/R
Y
Pr/Pb
INPUT3
PC IN (D-SUB)
V1_YIN
V2_YIN
Y/C MIX
SUB_VY
V1_CIN
V2_CIN
MAIN_C
SUB_C
IC102
VIDEO/AUDIO SELECT
MAIN_VY
V1_G_Y
V3_G_Y
PC_G
DTU_Y
YM_IN
MAIN_C
V1_B_Cb
V3_B_Cb
PC_B
DTU_Cb
BYM_IN
SUB_C
V1_R_Cr
V3_R_Cr
PC_R
DTU_Cr
RYM_IN
TV_L/R
V1_L/R
V2_L/R
V3_L/R
DIN_L/R
MAIN_L/R
HDMI1 AUDIO INPUT L/R
SW
IC106
AUDIO OUT
VE/SURROUND/
VOL_L/R
AGC
VOL1
SURROU
PROCE
ANALOG PWB


DIGITAL PWB
SD_DQ1-32
IC6101
DDR-SDRAM
A0-21
D0-15
IC7201
FLASH ROM
A0-21
D0-15
IC7203
DRAM
HDMI DRIVER
DV1_R0-7
DV1_G0-7
DV1_B0-7
IC6001
SUB CPU/
A-D CONVERT / YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
Enhancer / NR
A-D CONVERT
A-D CONVERT
YC SEP./
CHROMA DEMOD./
FORMAT
CONVERT/
Enhancer/
NR
RGB PROCESSOR
SUB CPU
OSD MIX
IC6502
LVDS
DRIVER
LCD
(PANEL)
IC7602
MEMORY
IC7601
MAIN MICOM
MI_TX
MI_RX
MI_CLK
OSDR3-5 /
OSDG3-5 /
OSDB3-5
SW PWB
KEY_1,2
SW
S7701~S7706
MECA_SW
POWER
S7707
IC751
AMP
HP_L/R
HEADPHONE
J7001
LED PWB
POWER_LED
D8702
POWER
IC8751
EE CDS
EE
(SMART)
SENSOR
REMOCON
IC8752
IR DETECT
UNIT
IC601
VE
TONE
VOL2
IC661
MAXX BASS
AMP_L/R
IC6501
IC6661
HPF
AUDIO OUT
D-AMP PWB
SPEAKER(L)
SPEAKER(R)

# CIRCUIT DIAGRAMS

*ANALOG PWB CIRCUIT DIAGRAM (1/6) SHEET 1*

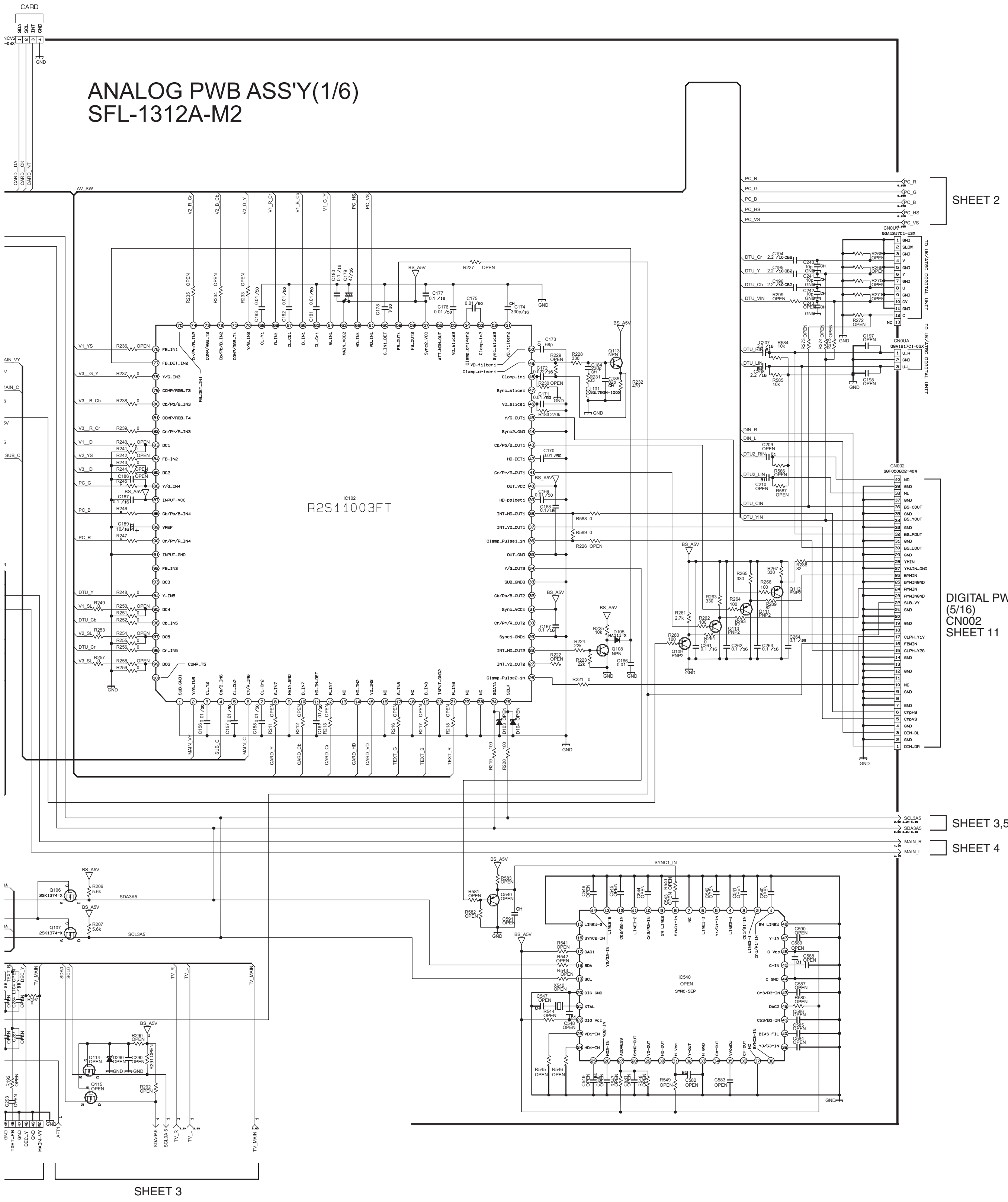


CARD
CNCV1 QQA1217C1-12X
CNCV2 QQA1217C1-04X
IC106 CD4066BNS-X
IC101 R2S11004FT
IC103 OPEN
IC104 OPEN
IC105 OPEN
Q101 UN2213-X
Q102 UN2213-X
Q105 M_PACK
Q281 PNP
D281 MA111-X
D282 MA111-X
D283 MA111-X
BS_A9V
BS_A5V
STB_5V
STB3.3V
GND
SHEET 2
SHEET 4,5
SHEET 5
LED PWB CN100U CN200U SHEET 25
ANALOG PWB(5/6) SHEET 5
SW PWB CN100R SHEET 26
CN00U QQA1217C1-10X
CN00R QQA1217C1-09X
CN001 QGF0508C2-50N
SHEET 5
SHEET 3
SHEET 6
SHEET 3
SHEET 5
SHEET 4
SHEET 6
DIGITAL PWB(1/16) CN001 SHEET 7

*** DIFFERENCE LIST**

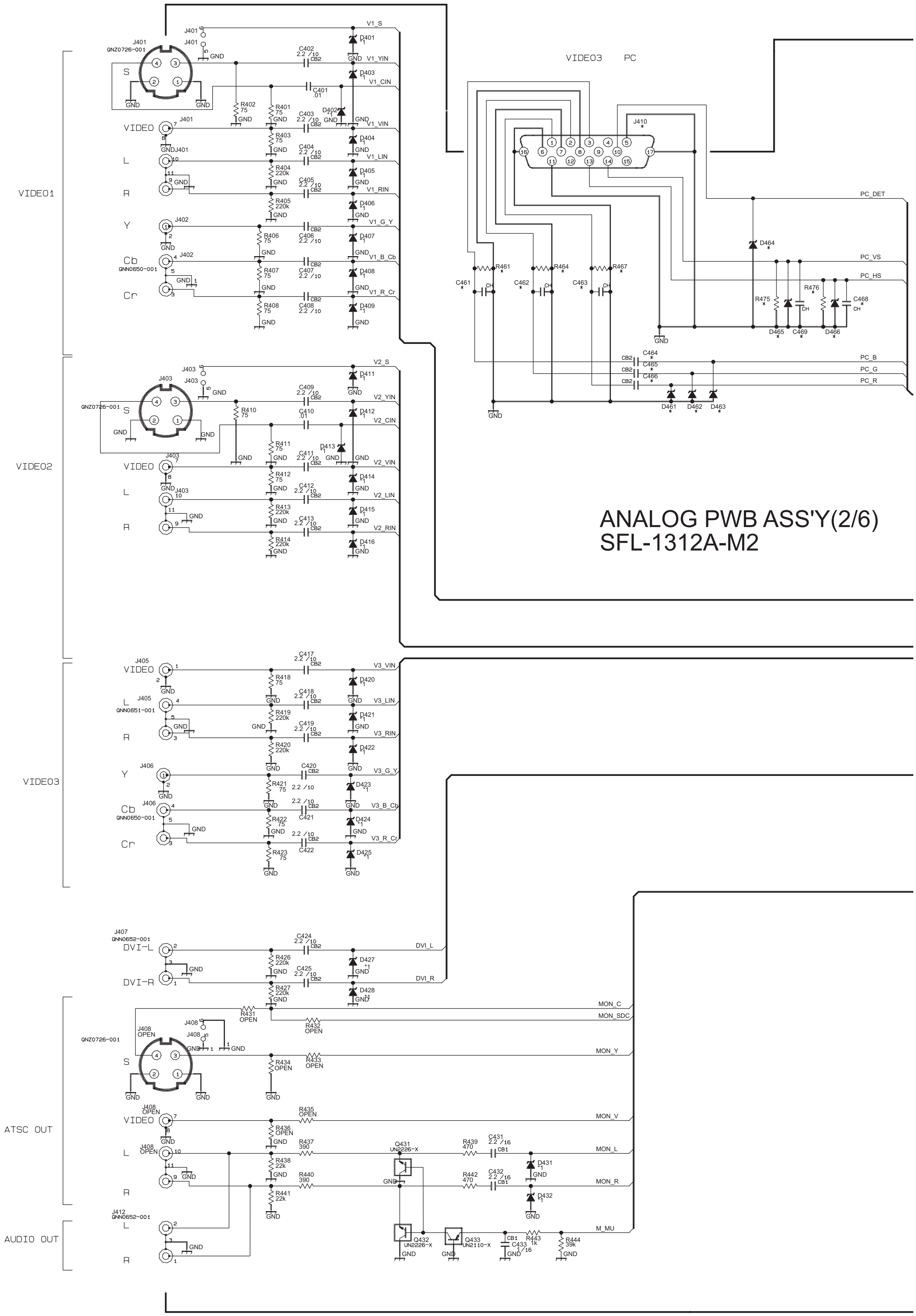
| MODEL | US | | | |
|---|---|---|---|---|
| | 32X7/8* | 37/40X7/8* | 32XM57 | 37X987 |
| | SFL-1311A | SFL-1312A | SFL-1315A | SFL-1316A |
| | LCA10710-01* | LCA10710-02* | LCA10710-03* | LCA10710-04* |
| | OLLC10541 | OLLC10541 -02 | OLLC10541 -03 | OLLC10541 -04 |
| R713 | OPEN | 0 | OPEN | 0 |
| R714 | OPEN | 0 | OPEN | 0 |
| R245 | 0 | 0 | OPEN | 0 |
| R246 | 0 | 0 | OPEN | 0 |
| R247 | 0 | 0 | OPEN | 0 |
| R304 | OPEN | OPEN | 0 | OPEN |

# ANALOG PWB ASS'Y(1/6)
# SFL-1312A-M2


CARD
SDA
SCL
INT
GND
GND
AV_SW
CARD_DA
CARD_CK
CARD_INT
IC102
R2S11003FT
IC540
OPEN
SYNC-SEP
SYNC1_IN
PC_R
PC_G
PC_B
PC_HS
PC_VS
SHEET 2
CN0UT
GGA1217C1-13X
TO UK/ATSC DIGITAL UNIT
CN0UA
GGA1217C1-03X
CN002
GGF0508C2-40W
DIGITAL PWB
(5/16)
CN002
SHEET 11
DTU_Cr
DTU_Y
DTU_Cb
DTU_VIN
DTU_RIN
DTU_LIN
DIN_R
DIN_L
DTU2_RIN
DTU2_LIN
DTU_CIN
DTU_YIN
SCL3A5
SDA3A5
SHEET 3,5,6
MAIN_R
MAIN_L
SHEET 4
Q106
2SK1374-X
Q107
2SK1374-X
Q113
NPN
Q108
NPN
Q109
PNP2
Q110
PNP2
Q111
PNP2
Q112
PNP2
Q540
OPEN
Q114
OPEN
Q115
OPEN
BS_A5V
SDA3A5
SCL3A5
TV_MAIN
TV_R
TV_L
AFT
SHEET 3

c10459001a001_0410_1/6_0.0

# *ANALOG PWB CIRCUIT DIAGRAM (2/6) SHEET 2*


ANALOG PWB ASS'Y(2/6)
SFL-1312A-M2
VIDEO1
VIDEO2
VIDEO3
ATSC OUT
AUDIO OUT
VIDEO3 PC
S
VIDEO
L
R
Y
Cb
Cr
DVI-L
DVI-R
J401
J402
J403
J405
J406
J407
J408
J410
J412
GNZ0726-001
GNN0650-001
GNN0651-001
GNN0652-001
V1_S
V1_YIN
V1_CIN
V1_VIN
V1_LIN
V1_RIN
V1_G_Y
V1_B_Cb
V1_R_Cr
V2_S
V2_YIN
V2_CIN
V2_VIN
V2_LIN
V2_RIN
V3_VIN
V3_LIN
V3_RIN
V3_G_Y
V3_B_Cb
V3_R_Cr
PC_DET
PC_VS
PC_HS
PC_B
PC_G
PC_R
DVI_L
DVI_R
MON_C
MON_SDC
MON_Y
MON_V
MON_L
MON_R
M_MU
Q431 UN2226-X
Q432 UN2226-X
Q433 UN2110-X
R401 75
R402 75
R403 75
R404 220k
R405 220k
R406 75
R407 75
R408 75
R410 75
R411 75
R412 75
R413 220k
R414 220k
R418 75
R419 220k
R420 220k
R421 75
R422 75
R423 75
R426 220k
R427 220k
R431 OPEN
R432 OPEN
R433 OPEN
R434 OPEN
R435 OPEN
R436 OPEN
R437 390
R438 22k
R439 470
R440 390
R441 22k
R442 470
R443 1k
R444 39k
R461
R464
R467
R475
R476
C401 .01
C402 2.2 /10 CB2
C403 2.2 /10
C404 2.2 /10 CB2
C405 2.2 /10 CB2
C406 2.2 /10
C407 2.2 /10
C408 2.2 /10
C409 2.2 /10 CB2
C410 .01
C411 2.2 /10 CB2
C412 2.2 /10 CB2
C413 2.2 /10 CB2
C417 2.2 /10 CB2
C418 2.2 /10 CB2
C419 2.2 /10 CB2
C420 CB2 2.2 /10
C421 2.2 /10 CB2
C422 2.2 /10 CB2
C424 2.2 /10 CB2
C425 2.2 /10 CB2
C431 2.2 /16 CB1
C432 2.2 /16 CB1
C433 1 /16 CB1
C461 CH
C462 CH
C463 CH
C464 CB2
C465 CB2
C466 CB2
C468 CH
C469 CH
D401
D402
D403
D404
D405
D406
D407
D408
D409
D411
D412
D413
D414
D415
D416
D420
D421
D422
D423
D424
D425
D427
D428
D431
D432
D461
D462
D463
D464
D465
D466
GND
OPEN

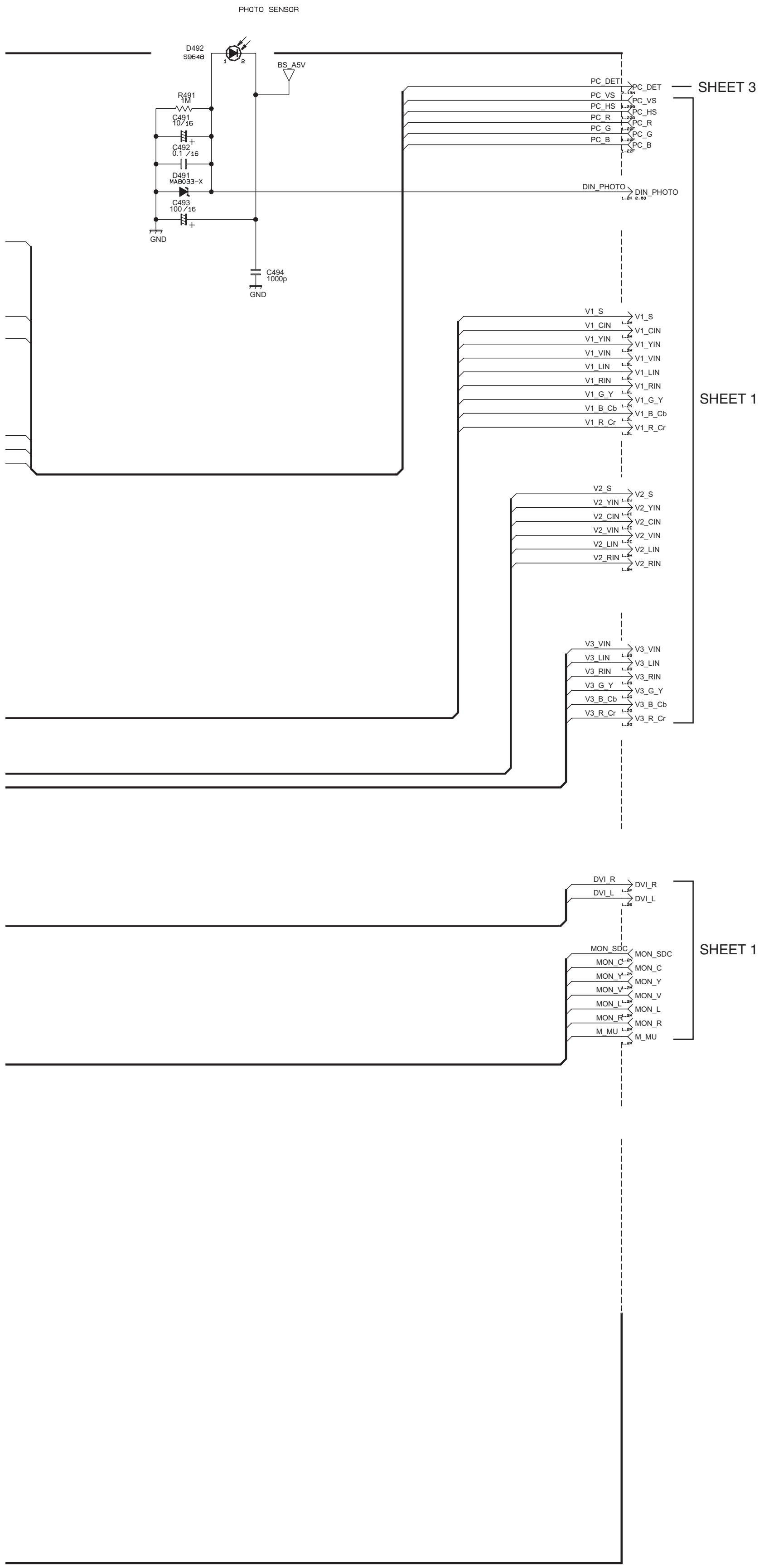
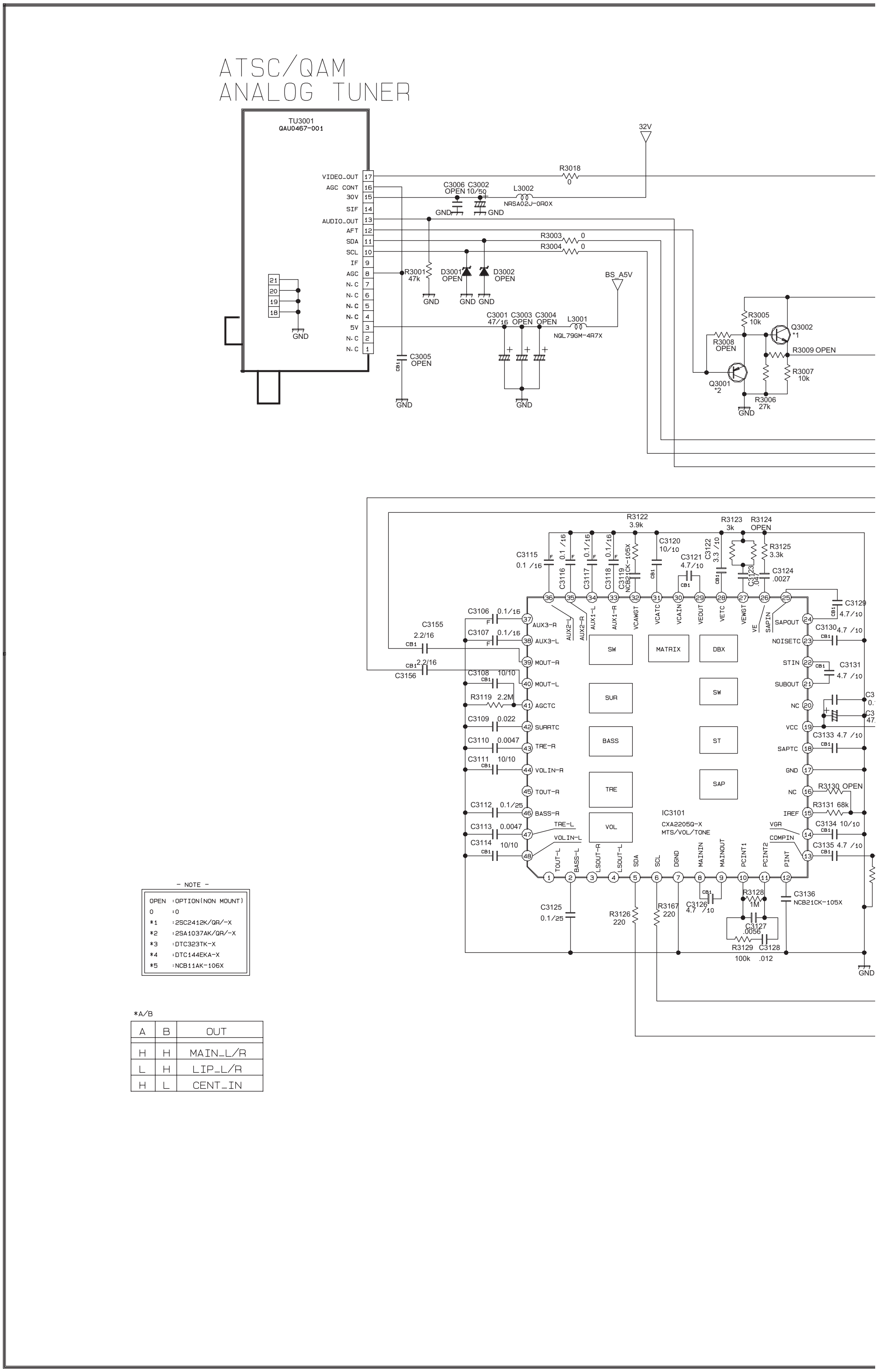


PHOTO SENSOR
D492
S9648
1
2
BS_A5V
R491
1M
C491
10/16
C492
0.1 /16
D491
MA8033-X
C493
100/16
GND
C494
1000p
GND
PC_DET
PC_VS
PC_HS
PC_R
PC_G
PC_B
PC_DET
PC_VS
PC_HS
PC_R
PC_G
PC_B
SHEET 3
DIN_PHOTO
DIN_PHOTO
V1_S
V1_CIN
V1_YIN
V1_VIN
V1_LIN
V1_RIN
V1_G_Y
V1_B_Cb
V1_R_Cr
SHEET 1
V2_S
V2_YIN
V2_CIN
V2_VIN
V2_LIN
V2_RIN
V3_VIN
V3_LIN
V3_RIN
V3_G_Y
V3_B_Cb
V3_R_Cr
DVI_R
DVI_L
SHEET 1
MON_SDC
MON_C
MON_Y
MON_V
MON_L
MON_R
M_MU

* DIFFERENCE LIST

| MODEL | US | | | |
|---|---|---|---|---|
| | 32X7/8* | 37/40X7/8* | 32XM57 | 37X987 |
| | SFL-1311A | SFL-1312A | SFL-1315A | SFL-1316A |
| | LCA10710-01* | LCA10710-02* | LCA10710-03* | LCA10710-04* |
| | OLLC10541 | OLLC10541 -02 | OLLC10541 -03 | OLLC10541 -04 |
| J410 | QNZ0561-001 | QNZ0561-001 | OPEN | QNZ0561-001 |
| R461 | 75 | 75 | OPEN | 75 |
| R464 | 75 | 75 | OPEN | 75 |
| R467 | 75 | 75 | OPEN | 75 |
| R475 | 330 | 330 | 0 | 330 |
| R476 | 330 | 330 | 0 | 330 |
| C461 | 100p/50 | 100p/50 | OPEN | 100p/50 |
| C462 | 100p/50 | 100p/50 | OPEN | 100p/50 |
| C463 | 100p/50 | 100p/50 | OPEN | 100p/50 |
| C464 | 2.2/10 | 2.2/10 | OPEN | 2.2/10 |
| C465 | 2.2/10 | 2.2/10 | OPEN | 2.2/10 |
| C466 | 2.2/10 | 2.2/10 | OPEN | 2.2/10 |
| C468 | 100p/50 | 100p/50 | OPEN | 100p/50 |
| C469 | 100p/50 | 100p/50 | OPEN | 100p/50 |
| D461 | *1 | *1 | OPEN | *1 |
| D462 | *1 | *1 | OPEN | *1 |
| D463 | *1 | *1 | OPEN | *1 |
| D464 | *1 | *1 | OPEN | *1 |
| D465 | *1 | *1 | OPEN | *1 |
| D466 | *1 | *1 | OPEN | *1 |

c10459001a006_0410_6/6_0.0

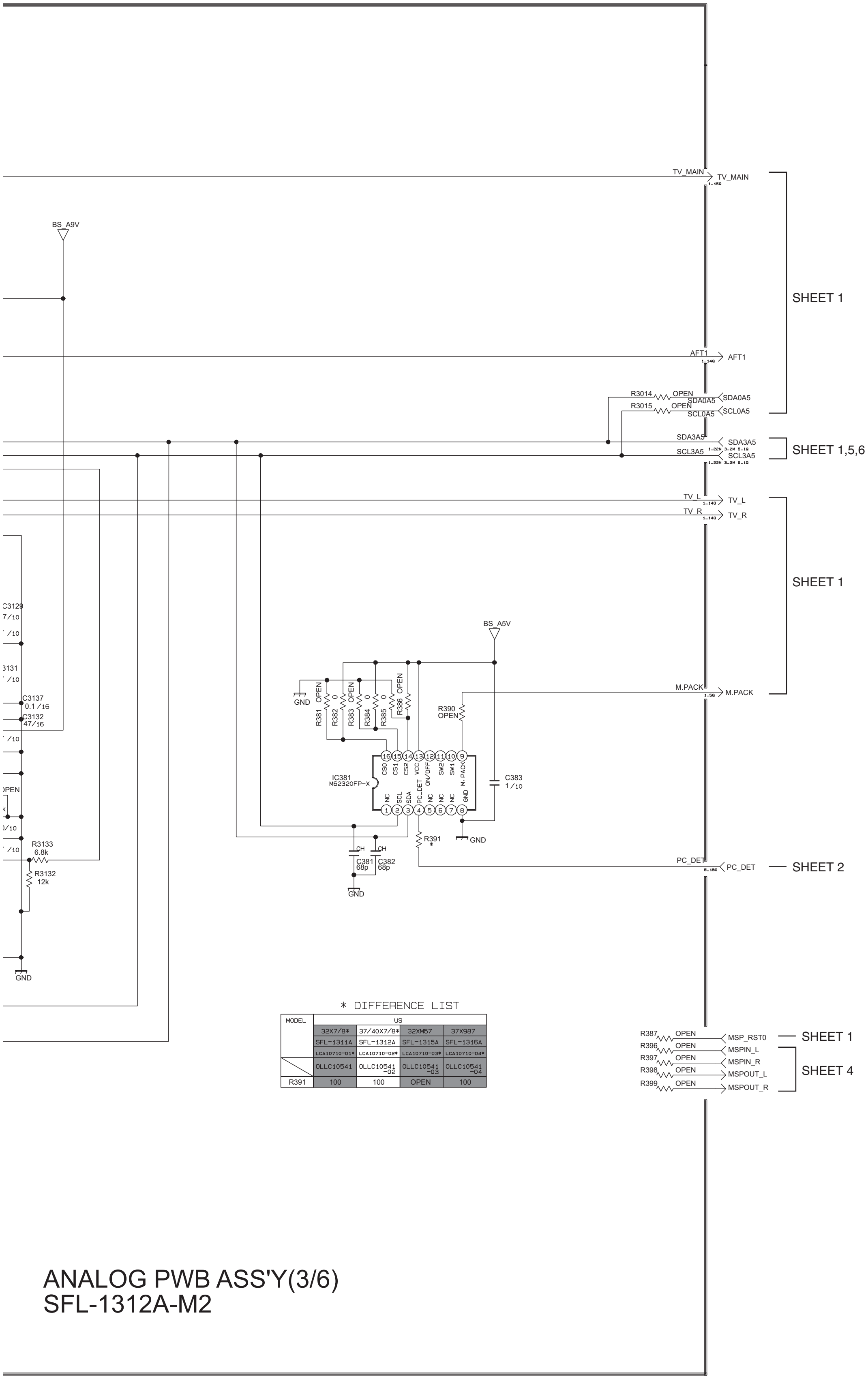

ATSC/QAM
ANALOG TUNER
TU3001
QAU0467-001
VIDEO_OUT 17
AGC CONT 16
30V 15
SIF 14
AUDIO_OUT 13
AFT 12
SDA 11
SCL 10
IF 9
AGC 8
N.C 7
N.C 6
N.C 5
N.C 4
5V 3
N.C 2
N.C 1
21
20
19
18
GND
32V
R3018
0
C3006
OPEN
C3002
10/50
L3002
NRSA02J-0R0X
R3003 0
R3004 0
R3001
47k
D3001
OPEN
D3002
OPEN
BS_A5V
C3001
47/16
C3003
OPEN
C3004
OPEN
L3001
NQL79GM-4R7X
C3005
OPEN
R3005
10k
Q3002
*1
R3008
OPEN
R3009 OPEN
R3007
10k
Q3001
*2
R3006
27k
R3122
3.9k
R3123
3k
R3124
OPEN
R3125
3.3k
C3115
0.1 /16
C3116 0.1 /16
C3117 0.1/16
C3118 0.1/16
C3119 NCB21CK-105X
C3120
10/10
C3121
4.7/10
C3122
3.3 /10
C3123
.047
C3124
.0027
C3129
4.7/10
C3130
4.7 /10
C3131
4.7 /10
C3133 4.7 /10
C3134 10/10
C3135 4.7 /10
R3130 OPEN
R3131 68k
C3106 0.1/16
C3107 0.1/16
C3155
2.2/16
C3156
2.2/16
C3108 10/10
R3119 2.2M
C3109 0.022
C3110 0.0047
C3111 10/10
C3112 0.1/25
C3113 0.0047
C3114 10/10
C3125
0.1/25
R3126
220
R3167
220
C3126
4.7 /10
R3128
1M
C3127
.0056
R3129
100k
C3128
.012
C3136
NCB21CK-105X
CB1
AUX3-R
AUX3-L
MOUT-R
MOUT-L
AGCTC
SURRTC
TRE-R
VOLIN-R
TOUT-R
BASS-R
TRE-L
VOLIN-L
AUX2-L
AUX2-R
AUX1-L
AUX1-R
VCAWGT
VCATC
VCAIN
VEOUT
VETC
VEWGT
VE
SAPIN
SAPOUT
NOISETC
STIN
SUBOUT
NC
VCC
SAPTC
GND
NC
IREF
VGR
COMPIN
TOUT-L
BASS-L
LSOUT-R
LSOUT-L
SDA
SCL
DGND
MAININ
MAINOUT
PCINT1
PCINT2
PINT
SW
MATRIX
DBX
SUR
SW
BASS
ST
TRE
SAP
VOL
IC3101
CXA2205Q-X
MTS/VOL/TONE
1 2 3 4 5 6 7 8 9 10 11 12
13 14 15 16 17 18 19 20 21 22 23 24
25 26 27 28 29 30 31 32 33 34 35 36
37 38 39 40 41 42 43 44 45 46 47 48

- NOTE -

OPEN :OPTION(NON MOUNT)
0 :0
*1 :2SC2412K/QR/-X
*2 :2SA1037AK/QR/-X
*3 :DTC323TK-X
*4 :DTC144EKA-X
*5 :NCB11AK-106X

*A/B

| A | B | OUT |
|---|---|---|
| H | H | MAIN_L/R |
| L | H | LIP_L/R |
| H | L | CENT_IN |


TV_MAIN
TV_MAIN
1_15Q
SHEET 1
BS_A9V
AFT1
AFT1
1_14Q
R3014
OPEN
SDA0A5
SDA0A5
R3015
OPEN
SCL0A5
SCL0A5
SDA3A5
SDA3A5
1_22N 3_2M 5_1Q
SCL3A5
SCL3A5
1_22N 3_2M 5_1Q
SHEET 1,5,6
TV_L
TV_L
1_14Q
TV_R
TV_R
1_14Q
SHEET 1
C3129
7/10
' /10
3131
' /10
C3137
0.1 /16
C3132
47/16
' /10
)PEN
k
)/10
' /10
R3133
6.8k
R3132
12k
GND
BS_A5V
GND
R381
OPEN
R382
0
R383
OPEN
R384
0
R385
0
R386
OPEN
R390
OPEN
M.PACK
M.PACK
1_5Q
IC381
M62320FP-X
CS0
CS1
CS2
VCC
ON/OFF
SW2
SW1
M.PACK
NC
SCL
SDA
PC_DET
NC
NC
NC
GND
C383
1/10
R391
*
GND
CH
CH
C381
68p
C382
68p
GND
PC_DET
PC_DET
6_15G
SHEET 2
R387
OPEN
MSP_RST0
SHEET 1
R396
OPEN
MSPIN_L
R397
OPEN
MSPIN_R
R398
OPEN
MSPOUT_L
R399
OPEN
MSPOUT_R
SHEET 4

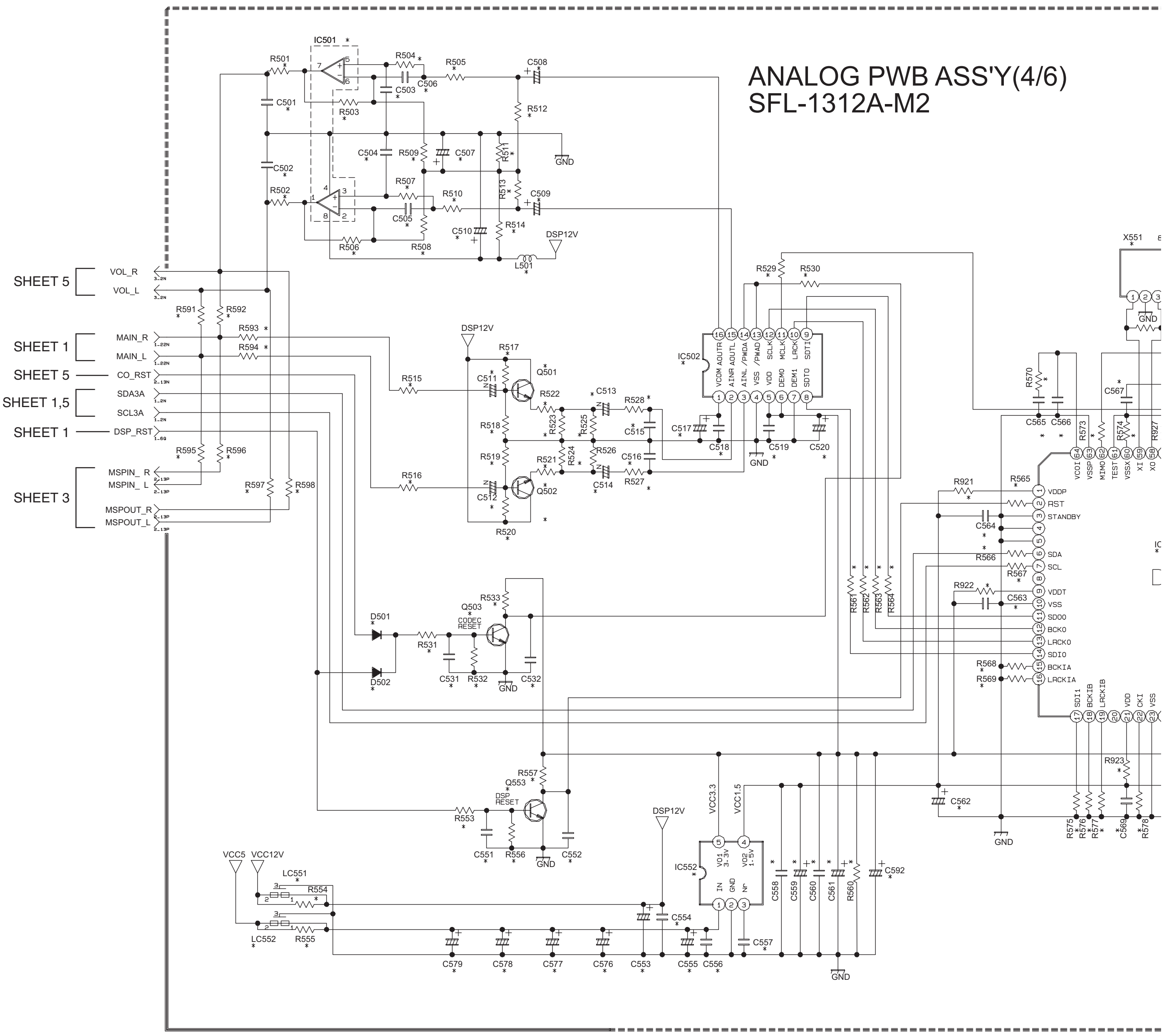
* DIFFERENCE LIST

| MODEL | US | | | |
|---|---|---|---|---|
| | 32X7/8* | 37/40X7/8* | 32XM57 | 37X987 |
| | SFL-1311A | SFL-1312A | SFL-1315A | SFL-1316A |
| | LCA10710-01* | LCA10710-02* | LCA10710-03* | LCA10710-04* |
| | OLLC10541 | OLLC10541<br>-02 | OLLC10541<br>-03 | OLLC10541<br>-04 |
| R391 | 100 | 100 | OPEN | 100 |

# ANALOG PWB ASS'Y(3/6)
# SFL-1312A-M2

c10459001a002_0410_2/6_0.0

# *ANALOG PWB CIRCUIT DIAGRAM (4/6) SHEET 4*


ANALOG PWB ASS'Y(4/6)
SFL-1312A-M2
SHEET 5
VOL_R
VOL_L
SHEET 1
MAIN_R
MAIN_L
SHEET 5
CO_RST
SHEET 1,5
SDA3A
SCL3A
SHEET 1
DSP_RST
SHEET 3
MSPIN_ R
MSPIN_ L
MSPOUT_R
MSPOUT_L
IC501
IC502
IC552
Q501
Q502
Q503
CODEC RESET
Q553
DSP RESET
D501
D502
L501
LC551
LC552
X551
DSP12V
VCC5
VCC12V
VCC3.3
VCC1.5
GND
VCOM
AINR
AINL
VSS
DEM0
DEM1
SDTO
SDTI
LRCK
MCLK
SCLK
/PWAD
/PWDA
VDD
AOUTL
AOUTR
VDDP
RST
STANDBY
SDA
SCL
VDDT
VSS
SDO0
BCKO
LRCKO
SDIO
BCKIA
LRCKIA
SDI1
BCKIB
LRCKIB
VDD
CKI
VSS
VCOI
VSSP
MIMO
TEST
VSSX
XI
XO
VO1 3.3V
VO2 1.5V
IN
GND
R501
R502
R503
R504
R505
R506
R507
R508
R509
R510
R511
R512
R513
R514
R515
R516
R517
R518
R519
R520
R521
R522
R523
R524
R525
R526
R527
R528
R529
R530
R531
R532
R533
R553
R554
R555
R556
R557
R560
R561
R562
R563
R564
R565
R566
R567
R568
R569
R570
R573
R574
R575
R576
R577
R578
R591
R592
R593
R594
R595
R596
R597
R598
R921
R922
R923
R927
C501
C502
C503
C504
C505
C506
C507
C508
C509
C510
C511
C512
C513
C514
C515
C516
C517
C518
C519
C520
C531
C532
C551
C552
C553
C554
C555
C556
C557
C558
C559
C560
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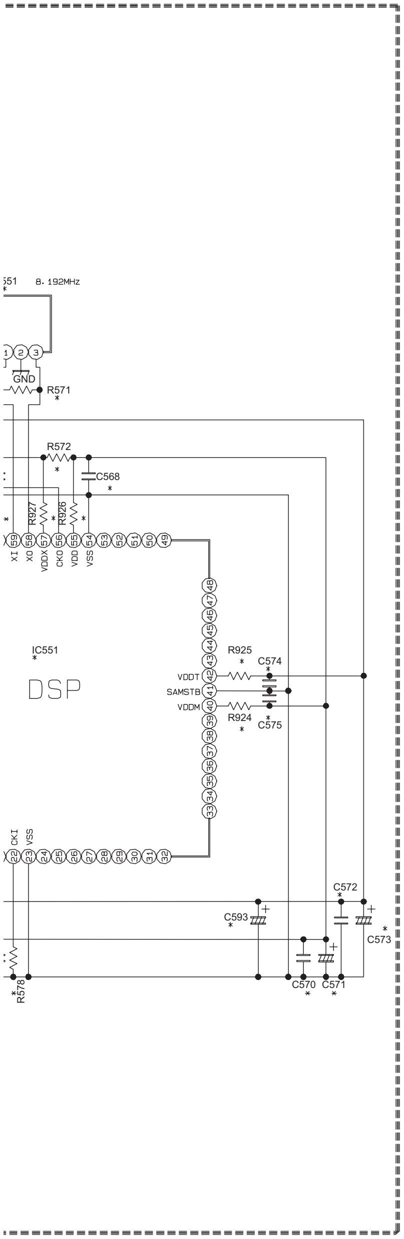
C563
C564
C565
C566
C567
C569
C576
C577
C578
C579
C592



## * DIFFERENCE LIST

| MODEL | JPN | US | | | | | |
|---|---|---|---|---|---|---|---|
| | | 32X7/8* | 37/40X7/8* | 32XM57 | 37X987 | 40/46FH97 | 40/46FN97 |
| | SFL-1321A | SFL-1311A | SFL-1312A | SFL-1315A | SFL-1316A | SFL-1313A | SFL-1314A |
| | LCA10712-01* | LCA10710-01* | LCA10710-02* | LCA10710-03* | LCA10710-04* | LCA10715-01* | LCA10715-02* |
| | 0LLC10586 | 0LLC10541 | 0LLC10541 -02 | 0LLC10541 -03 | 0LLC10541 -04 | 0LLC10761 | 0LLC10761 -02 |
| IC501 | HA17558AF-X | OPEN | OPEN | OPEN | HA17558AF-X | HA17558AF-X | HA17558AF-X |
| IC502 | AK4554VT-X | OPEN | OPEN | OPEN | AK4554VT-X | AK4554VT-X | AK4554VT-X |
| IC551 | JCC5067 | OPEN | OPEN | OPEN | JCC5067 | JCC5067 | JCC5067 |
| IC552 | PQ2L3152MS-X | OPEN | PQ2L3152MS-X | OPEN | PQ2L3152MS-X | PQ2L3152MS-X | PQ2L3152MS-X |
| X551 | NAX0623-001X | OPEN | OPEN | OPEN | NAX0623-001X | NAX0623-001X | NAX0623-001X |
| L501 | NRSA02J-0R0X | OPEN | OPEN | OPEN | NRSA02J-0R0X | NRSA02J-0R0X | NRSA02J-0R0X |
| LC551 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| LC552 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| Q501 | NPN | OPEN | OPEN | OPEN | NPN | NPN | NPN |
| Q502 | NPN | OPEN | OPEN | OPEN | NPN | NPN | NPN |
| Q503 | NPN | OPEN | OPEN | OPEN | NPN | NPN | NPN |
| Q553 | NPN | OPEN | OPEN | OPEN | NPN | NPN | NPN |
| R501 | 220 | OPEN | OPEN | OPEN | 220 | 220 | 220 |
| R502 | 220 | OPEN | OPEN | OPEN | 220 | 220 | 220 |
| R503 | 4.7k | OPEN | OPEN | OPEN | 4.7k | 4.7k | 4.7k |
| R504 | 3.3k | OPEN | OPEN | OPEN | 3.3k | 3.3k | 3.3k |
| R505 | 3.3k | OPEN | OPEN | OPEN | 3.3k | 3.3k | 3.3k |
| R506 | 4.7k | OPEN | OPEN | OPEN | 4.7k | 4.7k | 4.7k |
| R507 | 3.3k | OPEN | OPEN | OPEN | 3.3k | 3.3k | 3.3k |
| R508 | 1k | OPEN | OPEN | OPEN | 1k | 1k | 1k |
| R509 | 1k | OPEN | OPEN | OPEN | 1k | 1k | 1k |
| R510 | 3.3k | OPEN | OPEN | OPEN | 3.3k | 3.3k | 3.3k |
| R511 | 10k | OPEN | OPEN | OPEN | 10k | 10k | 10k |
| R512 | 33k | OPEN | OPEN | OPEN | 33k | 33k | 33k |
| R513 | 33k | OPEN | OPEN | OPEN | 33k | 33k | 33k |
| R514 | 10k | OPEN | OPEN | OPEN | 10k | 10k | 10k |
| R515 | 0 | OPEN | OPEN | OPEN | 0 | 0 | 0 |
| R516 | 0 | OPEN | OPEN | OPEN | 0 | 0 | 0 |
| R517 | 33k | OPEN | OPEN | OPEN | 33k | 33k | 33k |
| R518 | 33k | OPEN | OPEN | OPEN | 33k | 33k | 33k |
| R519 | 33k | OPEN | OPEN | OPEN | 33k | 33k | 33k |
| R520 | 33k | OPEN | OPEN | OPEN | 33k | 33k | 33k |
| R521 | 3.3k | OPEN | OPEN | OPEN | 3.3k | 3.3k | 3.3k |
| R522 | 3.3k | OPEN | OPEN | OPEN | 3.3k | 3.3k | 3.3k |
| R523 | 1k | OPEN | OPEN | OPEN | 1k | 1k | 1k |
| R524 | 1k | OPEN | OPEN | OPEN | 1k | 1k | 1k |
| R525 | 1k | OPEN | OPEN | OPEN | 1k | 1k | 1k |
| R526 | 1k | OPEN | OPEN | OPEN | 1k | 1k | 1k |
| R527 | 470 | OPEN | OPEN | OPEN | 470 | 470 | 470 |
| R528 | 470 | OPEN | OPEN | OPEN | 470 | 470 | 470 |
| R529 | 100 | OPEN | OPEN | OPEN | 100 | 100 | 100 |
| R530 | 0 | OPEN | OPEN | OPEN | 0 | 0 | 0 |
| R531 | 10k | OPEN | OPEN | OPEN | 10k | 10k | 10k |
| R532 | 10k | OPEN | OPEN | OPEN | 10k | 10k | 10k |
| R533 | 10k | OPEN | OPEN | OPEN | 10k | 10k | 10k |
| | | | | | | | |
| R553 | 10k | OPEN | OPEN | OPEN | 10k | 10k | 10k |
| R554 | 0 | OPEN | OPEN | OPEN | 0 | 0 | 0 |
| R555 | 0 | OPEN | 0 | OPEN | 0 | 0 | 0 |
| R556 | 10k | OPEN | OPEN | OPEN | 10k | 10k | 10k |
| R557 | 10k | OPEN | OPEN | OPEN | 10k | 10k | 10k |
| | | | | | | | |
| R560 | 6.8k | OPEN | 6.8k | OPEN | 6.8k | 6.8k | 6.8k |
| R561 | 220 | OPEN | OPEN | OPEN | 220 | 220 | 220 |
| R562 | 220 | OPEN | OPEN | OPEN | 220 | 220 | 220 |
| R563 | 220 | OPEN | OPEN | OPEN | 220 | 220 | 220 |
| R564 | 220 | OPEN | OPEN | OPEN | 220 | 220 | 220 |
| R565 | 0 | OPEN | OPEN | OPEN | 0 | 0 | 0 |
| R566 | 100 | OPEN | OPEN | OPEN | 100 | 100 | 100 |
| R567 | 100 | OPEN | OPEN | OPEN | 100 | 100 | 100 |
| R568 | 10k | OPEN | OPEN | OPEN | 10k | 10k | 10k |
| R569 | 10k | OPEN | OPEN | OPEN | 10k | 10k | 10k |
| R570 | 100 | OPEN | OPEN | OPEN | 100 | 100 | 100 |
| R571 | 1M | OPEN | OPEN | OPEN | 1M | 1M | 1M |
| R572 | 4.7 | OPEN | OPEN | OPEN | 4.7 | 4.7 | 4.7 |
| R573 | 10k | OPEN | OPEN | OPEN | 10k | 10k | 10k |
| R574 | 0 | OPEN | OPEN | OPEN | 0 | 0 | 0 |
| R575 | 10k | OPEN | OPEN | OPEN | 10k | 10k | 10k |
| R576 | 10k | OPEN | OPEN | OPEN | 10k | 10k | 10k |
| R577 | 10k | OPEN | OPEN | OPEN | 10k | 10k | 10k |
| R578 | 10k | OPEN | OPEN | OPEN | 10k | 10k | 10k |
| | | | | | | | |
| R921 | 0 | OPEN | OPEN | OPEN | 0 | 0 | 0 |
| R922 | 0 | OPEN | OPEN | OPEN | 0 | 0 | 0 |
| R923 | 0 | OPEN | OPEN | OPEN | 0 | 0 | 0 |
| R924 | 0 | OPEN | OPEN | OPEN | 0 | 0 | 0 |
| R925 | 0 | OPEN | OPEN | OPEN | 0 | 0 | 0 |
| R926 | 0 | OPEN | OPEN | OPEN | 0 | 0 | 0 |
| R927 | 0 | OPEN | OPEN | OPEN | 0 | 0 | 0 |
| D501 | 1SS355-X | OPEN | OPEN | OPEN | 1SS355-X | 1SS355-X | 1SS355-X |
| D502 | 1SS355-X | OPEN | OPEN | OPEN | 1SS355-X | 1SS355-X | 1SS355-X |

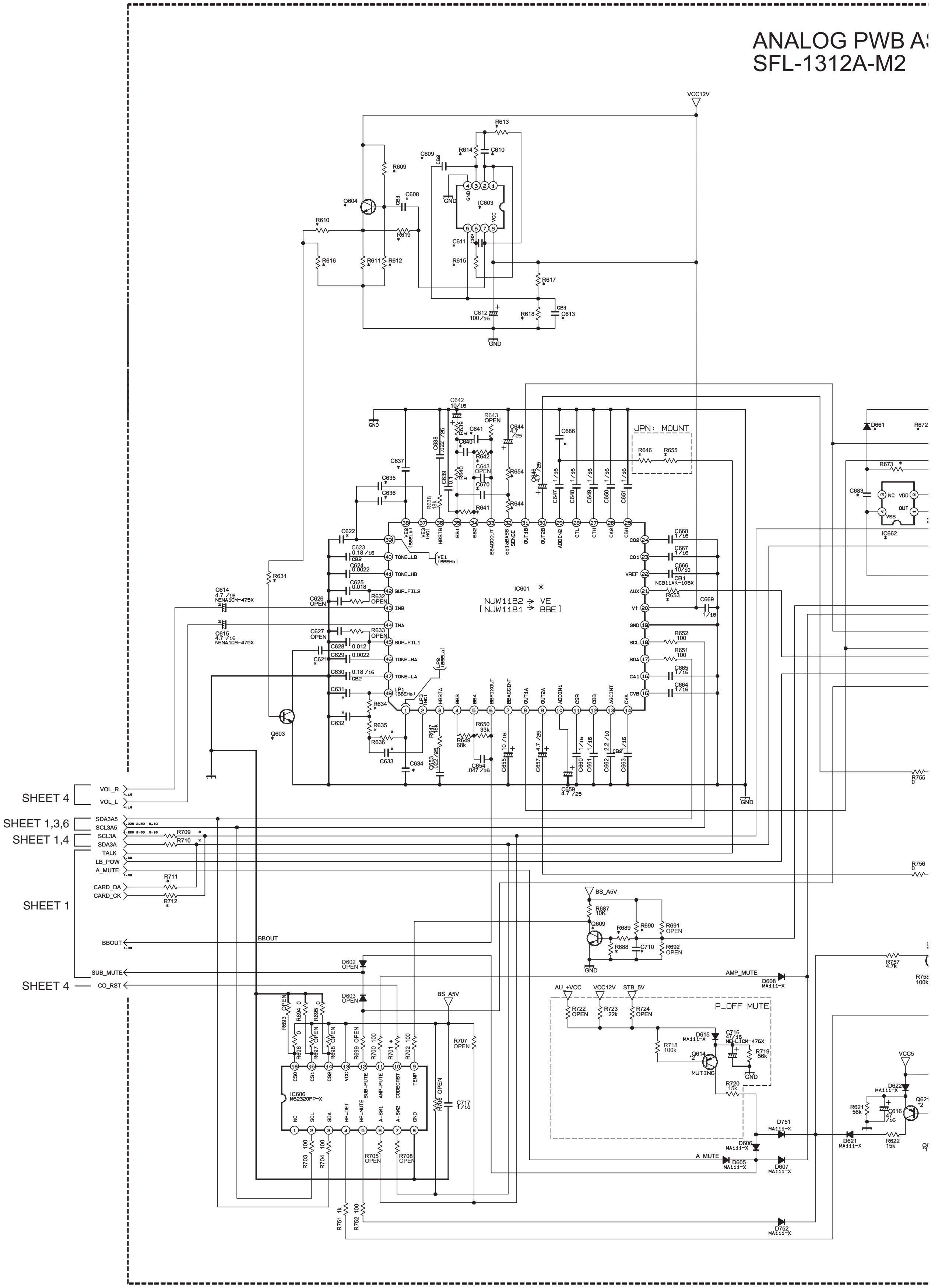
## * DIFFERENCE LIST

| MODEL | JPN | US | | | | | |
|---|---|---|---|---|---|---|---|
| | | 32X7/8* | 37/40X7/8* | 32XM57 | 37X987 | 40/46FH97 | 40/46FN97 |
| | SFL-1321A | SFL-1311A | SFL-1312A | SFL-1315A | SFL-1316A | SFL-1313A | SFL-1314A |
| | LCA10712-01* | LCA10710-01* | LCA10710-02* | LCA10710-03* | LCA10710-04* | LCA10715-01* | LCA10715-02* |
| | 0LLC10586 | 0LLC10541 | 0LLC10541 -02 | 0LLC10541 -03 | 0LLC10541 -04 | 0LLC10761 | 0LLC10761 -02 |
| R591 | OPEN | 0 | 0 | 0 | OPEN | OPEN | OPEN |
| R592 | OPEN | 0 | 0 | 0 | OPEN | OPEN | OPEN |
| R593 | 0 | OPEN | OPEN | OPEN | 0 | 0 | 0 |
| R594 | 0 | OPEN | OPEN | OPEN | 0 | 0 | 0 |
| R595 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R596 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R597 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R598 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |

## * DIFFERENCE LIST

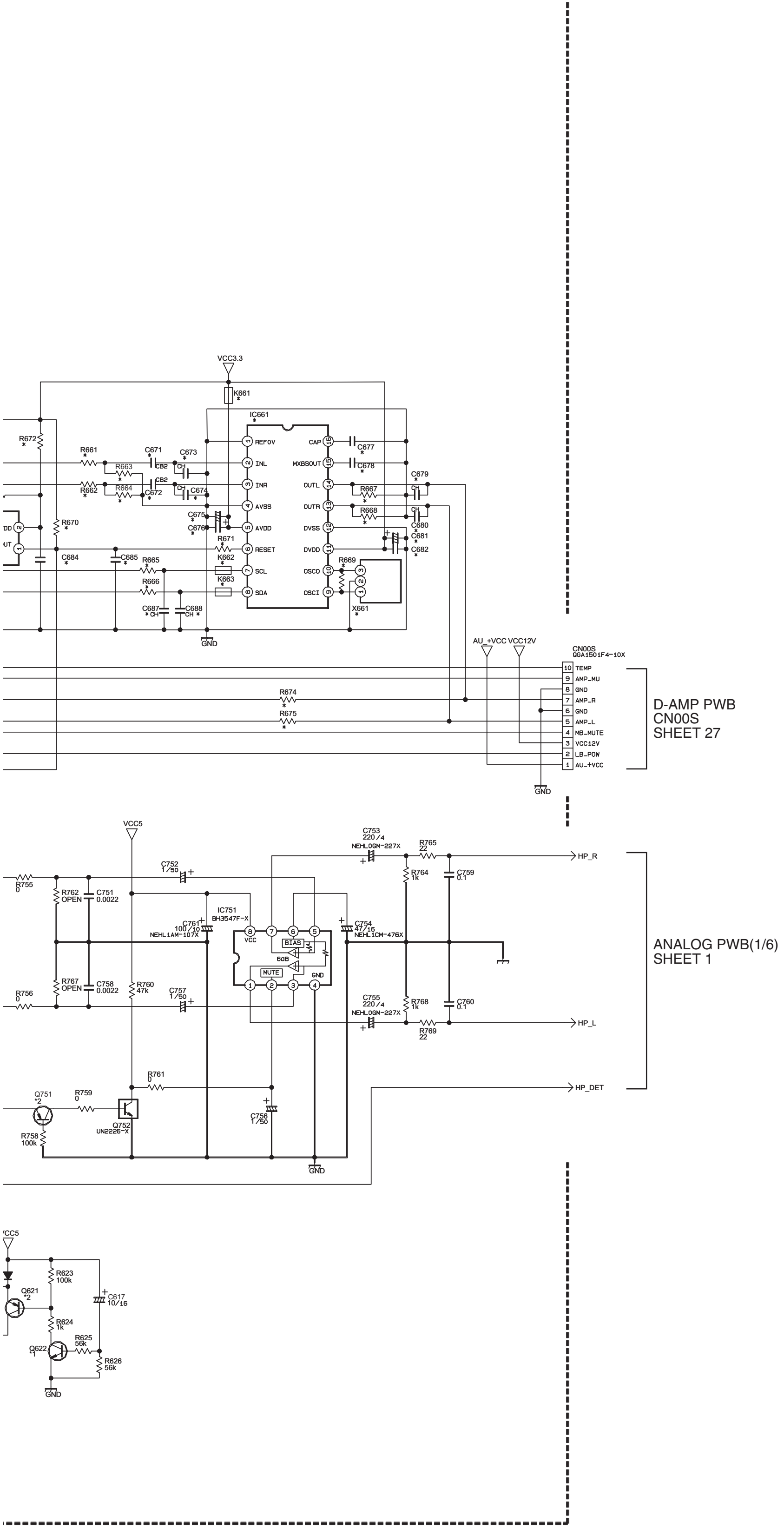
| MODEL | JPN | US | | | | | |
|---|---|---|---|---|---|---|---|
| | | 32X7/8* | 37/40X7/8* | 32XM57 | 37X987 | 40/46FH97 | 40/46FN97 |
| | SFL-1321A | SFL-1311A | SFL-1312A | SFL-1315A | SFL-1316A | SFL-1313A | SFL-1314A |
| | LCA10712-01* | LCA10710-01* | LCA10710-02* | LCA10710-03* | LCA10710-04* | LCA10715-01* | LCA10715-02* |
| | 0LLC10586 | 0LLC10541 | 0LLC10541 -02 | 0LLC10541 -03 | 0LLC10541 -04 | 0LLC10761 | 0LLC10761 -02 |
| C501 | NCB31HK-223X | OPEN | OPEN | OPEN | NCB31HK-223X | NCB31HK-223X | NCB31HK-223X |
| C502 | NCB31HK-223X | OPEN | OPEN | OPEN | NCB31HK-223X | NCB31HK-223X | NCB31HK-223X |
| C503 | 0.0022 | OPEN | OPEN | OPEN | 0.0022 | 0.0022 | 0.0022 |
| C504 | 0.0022 | OPEN | OPEN | OPEN | 0.0022 | 0.0022 | 0.0022 |
| C505 | 0.0082 | OPEN | OPEN | OPEN | 0.0082 | 0.0082 | 0.0082 |
| C506 | 0.0082 | OPEN | OPEN | OPEN | 0.0082 | 0.0082 | 0.0082 |
| C507 | NEHL1AM-107X | OPEN | OPEN | OPEN | NEHL1AM-107X | NEHL1AM-107X | NEHL1AM-107X |
| C508 | 1/50 | OPEN | OPEN | OPEN | 1/50 | 1/50 | 1/50 |
| C509 | 1/50 | OPEN | OPEN | OPEN | 1/50 | 1/50 | 1/50 |
| C510 | NEHL1CM-476X | OPEN | OPEN | OPEN | NEHL1CM-476X | NEHL1CM-476X | NEHL1CM-476X |
| C511 | NENA1CM-475X | OPEN | OPEN | OPEN | NENA1CM-475X | NENA1CM-475X | NENA1CM-475X |
| C512 | NENA1CM-475X | OPEN | OPEN | OPEN | NENA1CM-475X | NENA1CM-475X | NENA1CM-475X |
| C513 | NENA1CM-475X | OPEN | OPEN | OPEN | NENA1CM-475X | NENA1CM-475X | NENA1CM-475X |
| C514 | NENA1CM-475X | OPEN | OPEN | OPEN | NENA1CM-475X | NENA1CM-475X | NENA1CM-475X |
| C515 | 1000p | OPEN | OPEN | OPEN | 1000p | 1000p | 1000p |
| C516 | 1000p | OPEN | OPEN | OPEN | 1000p | 1000p | 1000p |
| C517 | NEHL1EM-475X | OPEN | OPEN | OPEN | NEHL1EM-475X | NEHL1EM-475X | NEHL1EM-475X |
| C518 | 0.1 | OPEN | OPEN | OPEN | 0.1 | 0.1 | 0.1 |
| C519 | 0.1 | OPEN | OPEN | OPEN | 0.1 | 0.1 | 0.1 |
| C520 | NEHL1CM-106X | OPEN | OPEN | OPEN | NEHL1CM-106X | NEHL1CM-106X | NEHL1CM-106X |
| | | | | | | | |
| C531 | 1000p | OPEN | OPEN | OPEN | 1000p | 1000p | 1000p |
| C532 | 1000p | OPEN | OPEN | OPEN | 1000p | 1000p | 1000p |
| | | | | | | | |
| C551 | 1000p | OPEN | OPEN | OPEN | 1000p | 1000p | 1000p |
| C552 | 1000p | OPEN | OPEN | OPEN | 1000p | 1000p | 1000p |
| C553 | 47/16 | OPEN | OPEN | OPEN | 47/16 | 47/16 | 47/16 |
| C554 | 0.1 | OPEN | OPEN | OPEN | 0.1 | 0.1 | 0.1 |
| C555 | NEHL1AM-107X | OPEN | NEHL1AM-107X | OPEN | NEHL1AM-107X | NEHL1AM-107X | NEHL1AM-107X |
| C556 | 0.1 | OPEN | 0.1 | OPEN | 0.1 | 0.1 | 0.1 |
| C557 | 0.1 | OPEN | 0.1 | OPEN | 0.1 | 0.1 | 0.1 |
| C558 | NCB30JK-225X | OPEN | NCB30JK-225X | OPEN | NCB30JK-225X | NCB30JK-225X | NCB30JK-225X |
| C559 | NEHL0JM-226X | OPEN | NEHL0JM-226X | OPEN | NEHL0JM-226X | NEHL0JM-226X | NEHL0JM-226X |
| C560 | NCB30JK-225X | OPEN | NCB30JK-225X | OPEN | NCB30JK-225X | NCB30JK-225X | NCB30JK-225X |
| C561 | NEHL0JM-226X | OPEN | NEHL0JM-226X | OPEN | NEHL0JM-226X | NEHL0JM-226X | NEHL0JM-226X |
| C562 | NEHL0JM-226X | OPEN | OPEN | OPEN | NEHL0JM-226X | NEHL0JM-226X | NEHL0JM-226X |
| C563 | 0.01 | OPEN | OPEN | OPEN | 0.01 | 0.01 | 0.01 |
| C564 | 0.01 | OPEN | OPEN | OPEN | 0.01 | 0.01 | 0.01 |
| C565 | 0.1 | OPEN | OPEN | OPEN | 0.1 | 0.1 | 0.1 |
| C566 | 0.1 | OPEN | OPEN | OPEN | 0.1 | 0.1 | 0.1 |
| C567 | 0.01 | OPEN | OPEN | OPEN | 0.01 | 0.01 | 0.01 |
| C568 | 0.01 | OPEN | OPEN | OPEN | 0.01 | 0.01 | 0.01 |
| C569 | 0.01 | OPEN | OPEN | OPEN | 0.01 | 0.01 | 0.01 |
| C570 | NRSA63J-222X | OPEN | OPEN | OPEN | NRSA63J-222X | NRSA63J-222X | NRSA63J-222X |
| C571 | NEHL0JM-226X | OPEN | OPEN | OPEN | NEHL0JM-226X | NEHL0JM-226X | NEHL0JM-226X |
| C572 | NCB31CK-105X | OPEN | OPEN | OPEN | NCB31CK-105X | NCB31CK-105X | NCB31CK-105X |
| C573 | NEHL0JM-226X | OPEN | OPEN | OPEN | NEHL0JM-226X | NEHL0JM-226X | NEHL0JM-226X |
| C574 | 0.01 | OPEN | OPEN | OPEN | 0.01 | 0.01 | 0.01 |
| C575 | 0.01 | OPEN | OPEN | OPEN | 0.01 | 0.01 | 0.01 |
| C576 | NEHL1AM-107X | OPEN | NEHL1AM-107X | OPEN | NEHL1AM-107X | NEHL1AM-107X | NEHL1AM-107X |
| C577 | NEHL1AM-107X | OPEN | NEHL1AM-107X | OPEN | NEHL1AM-107X | NEHL1AM-107X | NEHL1AM-107X |
| C578 | NEHL1AM-107X | OPEN | NEHL1AM-107X | OPEN | NEHL1AM-107X | NEHL1AM-107X | NEHL1AM-107X |
| C579 | NEHL1AM-107X | OPEN | NEHL1AM-107X | OPEN | NEHL1AM-107X | NEHL1AM-107X | NEHL1AM-107X |
| C592 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C593 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |

# *ANALOG PWB CIRCUIT DIAGRAM (5/6) SHEET 5*



ANALOG PWB A
SFL-1312A-M2
VCC12V
R613
R614
C610
C609
CB2
R609
IC603
GND
VCC
Q604
CB1
C608
R610
R619
C611
R616
R611
R612
R615
R617
CB1
C613
C612
100/16
R618
GND
C642
10/16
R643
OPEN
C644
4.7/25
C641
C640
R639
C638
.022/25
C637
C635
C636
C639
R640
R642
C643
OPEN
C670
R654
R644
R641
R638
18k
C686
C646
4.7/25
C647
1/16
C648
1/16
C649
1/16
C650
1/16
C651
1/16
JPN: MOUNT
R646
R655
D661
R672
R673
C683
IC662
NC
VDD
OUT
VSS
C622
C623
0.18/16
CB2
C624
0.0022
C625
0.018
R632
OPEN
C626
OPEN
C614
4.7/16
NENA1CM-475X
C615
4.7/16
NENA1CM-475X
C627
OPEN
R633
OPEN
C628
0.012
C629
0.0022
C621
C630
0.18/16
CB2
C631
R634
C632
R635
R636
C633
C634
C653
.022/25
R647
18k
R649
68k
R650
33k
C654
.047/16
C655
10/16
C657
4.7/25
C659
4.7/25
C660
1/16
C661
1/16
C662
2.2/10
C663
1/16
CB2
R631
Q603
IC601
NJW1182 → VE
[NJW1181 → BBE]
VE2 (BBELb)
VE3 (NC)
HBSTB
BB1
BB2
BBAGCOUT
BBLOBASS SENSE
OUT1B
OUT2B
ADDIN2
CTL
CTH
CA2
CBH
TONE_LB
TONE_HB
SUR_FIL2
INB
INA
SUR_FIL1
TONE_HA
TONE_LA
LP1 (BBEHa)
LP3 (NC)
HBSTA
BB3
BB4
BBFIXOUT
BBAGCINT
OUT1A
OUT2A
ADDIN1
CSR
CBB
AGCINT
CVA
CO2
CO1
VREF
AUX
V+
GND
SCL
SDA
CA1
CVB
VE1 (BBEHb)
LP2 (BBELa)
C668
1/16
C667
1/16
C666
10/10
CB1
NCB11AK-106X
R653
C669
1/16
R652
100
R651
100
C665
1/16
C664
1/16
GND
R755
0
R756
0
SHEET 4
VOL_R
VOL_L
SHEET 1,3,6
SDA3A5
SCL3A5
SHEET 1,4
SCL3A
SDA3A
R709
R710
TALK
LB_POW
A_MUTE
R711
CARD_DA
CARD_CK
R712
SHEET 1
BBOUT
BBOUT
SUB_MUTE
SHEET 4
CO_RST
BS_A5V
R687
10K
Q609
R689
R690
R691
OPEN
R688
C710
R692
OPEN
D602
OPEN
D603
OPEN
AMP_MUTE
D608
MA111-X
R757
4.7k
R758
100k
AU_+VCC
VCC12V
STB_5V
R722
OPEN
R723
22k
R724
OPEN
P_OFF MUTE
D615
MA111-X
C716
47/16
NEHL1CM-476X
R718
100k
Q614
MUTING
R719
56k
GND
R720
15k
VCC5
D622
MA111-X
Q621
R621
56k
C616
47/16
D751
MA111-X
D621
MA111-X
R622
15k
D606
MA111-X
A_MUTE
D605
MA111-X
D607
MA111-X
BS_A5V
R693 OPEN
R694 0
R695 0
R696 0
R697 OPEN
R698 OPEN
R699 OPEN
R700 100
R701
R702 100
R707
OPEN
CS0
CS1
CS2
VCC
SUB_MUTE
AMP_MUTE
CODECRST
TEMP
IC606
M62320FP-X
R706 OPEN
C717
1/10
NC
SCL
SDA
HP_DET
HP_MUTE
A_SW1
A_SW2
GND
R703 100
R704 100
R705
OPEN
R708
OPEN
R751 1k
R752 100
D752
MA111-X

# ASS'Y(5/6)

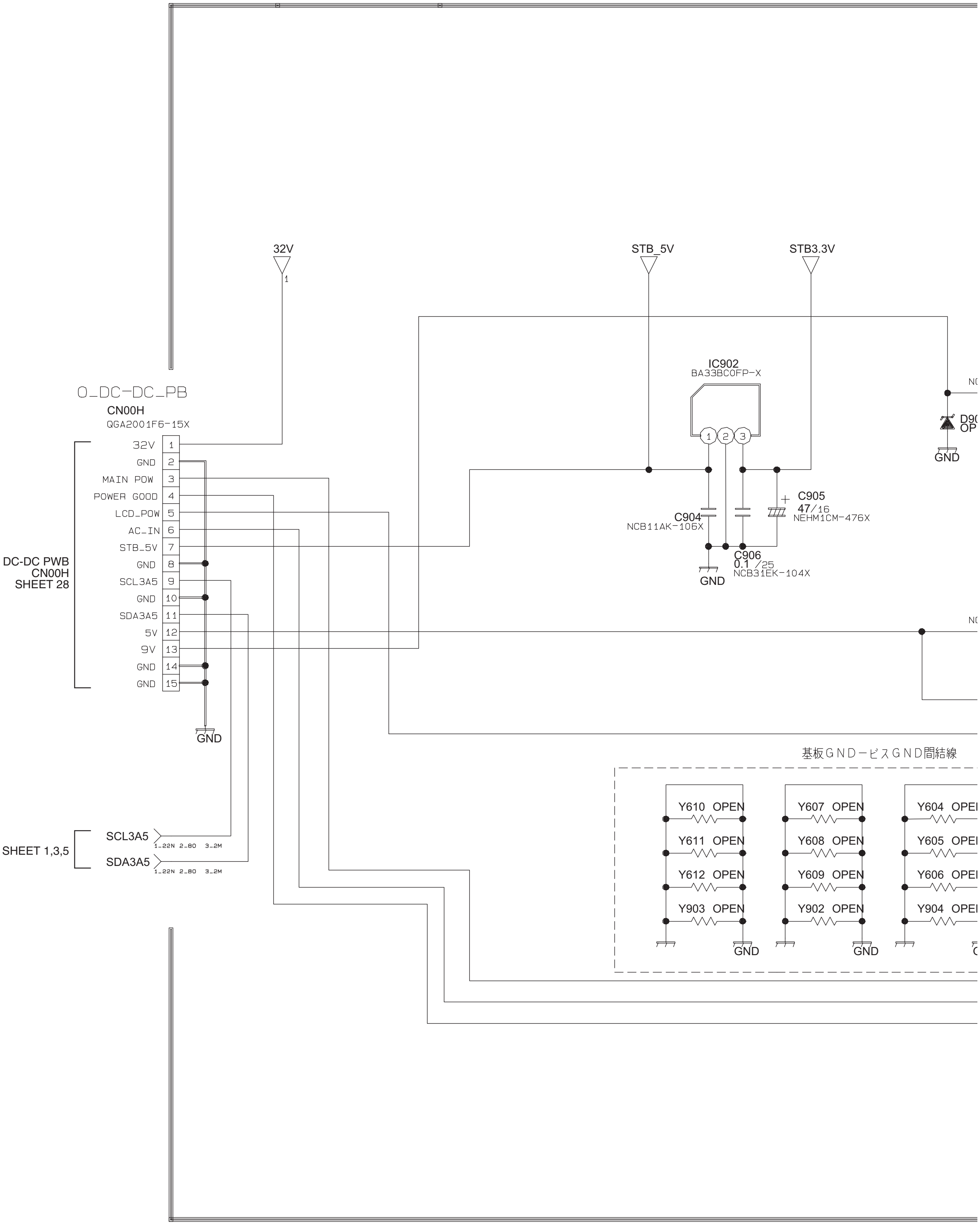


VCC3.3
K661
IC661
REFOV
INL
INR
AVSS
AVDD
RESET
SCL
SDA
CAP
MXBSOUT
OUTL
OUTR
DVSS
DVDD
OSCO
OSCI
R672
R661
R663
R662
R664
C671
C672
C673
C674
C675
C676
C677
C678
C679
C680
C681
C682
R667
R668
R669
X661
R670
R671
K662
K663
C684
C685
R665
R666
C687
C688
GND
AU_+VCC
VCC12V
CN00S
QGA1501F4-10X
10 TEMP
9 AMP_MU
8 GND
7 AMP_R
6 GND
5 AMP_L
4 MB_MUTE
3 VCC12V
2 LB_POW
1 AU_+VCC
R674
R675
D-AMP PWB
CN00S
SHEET 27
VCC5
C753
220/4
NEHL0GM-227X
R765
22
HP_R
C752
1/50
R755
0
R762
OPEN
C751
0.0022
R764
1k
C759
0.1
IC751
BH3547F-X
C761
100/10
NEHL1AM-107X
VCC
BIAS
6dB
MUTE
GND
C754
47/16
NEHL1CM-476X
ANALOG PWB(1/6)
SHEET 1
R767
OPEN
C758
0.0022
R756
0
R760
47k
C757
1/50
C755
220/4
NEHL0GM-227X
R768
1k
C760
0.1
R769
22
HP_L
R761
0
HP_DET
Q751
*2
R759
0
Q752
UN2226-X
C756
1/50
R758
100k
GND
VCC5
R623
100k
C617
10/16
Q621
*2
R624
1k
R625
56k
Q622
*1
R626
56k
GND

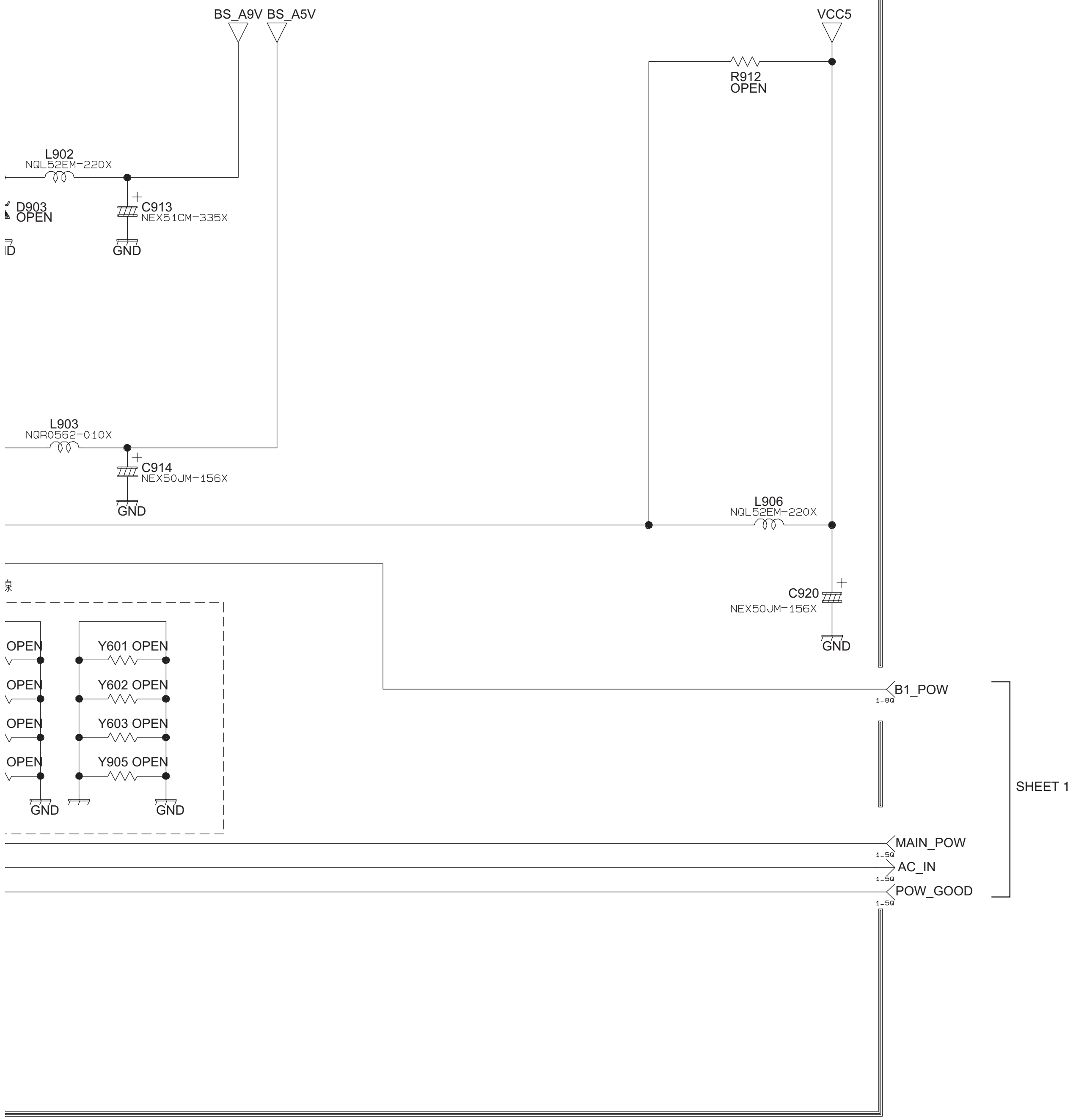
* DIFFERENCE LIST

| MODEL | JPN | US | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 32X7/8* | 37/40X7/8* | 32XM57 | 37X987 | 40/46FH97 | 40/46FN97 | |
| | SFL-1321A | SFL-1311A | SFL-1312A | SFL-1315A | SFL-1316A | SFL-1313A | SFL-1314A | |
| | LCA10712-01* | LCA10710-01* | LCA10710-02* | LCA10710-03* | LCA10710-04* | LCA10715-01* | LCA10715-02* | |
| | OLLC10586 | OLLC10541 | OLLC10541<br>-02 | OLLC10541<br>-03 | OLLC10541<br>-04 | OLLC10761 | OLLC10761<br>-02 | |
| IC601 | NJW1182FP1 | NJW1182FP1 | NJW1182FP1 | NJW1182FP1 | NJW1182FP1 | NJW1182FP1 | NJW1182FP1 | |
| C622 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | NJW118X |
| C631 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| C632 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | |
| C633 | 0.0082 | 0.0082 | 0.0082 | 0.0082 | 0.0082 | 0.0082 | 0.0082 | |
| C634 | 0.0082 | 0.0082 | 0.0082 | 0.0082 | 0.0082 | 0.0082 | 0.0082 | |
| C635 | 680p | 680p | 680p | 680p | 680p | 680p | 680p | |
| C636 | 680p | 680p | 680p | 680p | 680p | 680p | 680p | |
| C637 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R634 | 15k | 15k | 15k | 15k | 15k | 15k | 15k | |
| R635 | 56k | 56k | 56k | 56k | 56k | 56k | 56k | |
| R636 | 47k | 47k | 47k | 47k | 47k | 47k | 47k | |
| C686 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 音声案内 |
| R646 | 1k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R655 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R639 | 820 | 820 | 820 | 820 | 1k | 1k | 1k | B．B．音質設計 |
| R640 | 820 | 820 | 820 | 820 | 1k | 1k | 1k | |
| R641 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R642 | 5.6k | 5.6k | 5.6k | 5.6k | 6.8k | 6.8k | 6.8k | |
| R644 | 3.9k | 3.9k | 3.9k | 3.9k | 3.9k | 3.9k | 3.9k | |
| R654 | 1.8k | 1.8k | 1.8k | 1.8k | 1.8k | 1.8k | 1.8k | |
| C640 | 1/16 | 1/16 | 1/16 | 1/16 | 1/16 | 1/16 | 1/16 | |
| C641 | 1/16 | 1/16 | 1/16 | 1/16 | 1/16 | 1/16 | 1/16 | |
| C670 | 1/16 | 1/16 | 1/16 | 1/16 | 1/16 | 1/16 | 1/16 | |
| IC603 | RC4558D-X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 8Hz |
| Q603 | *1 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| Q604 | *1 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R609 | 10k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R610 | 22k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R611 | 1k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R612 | 10k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R613 | 220k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R614 | 220k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R615 | 180k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R616 | 18k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R617 | 22k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R618 | 22k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R619 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R631 | 15k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| C608 | NCB11AK-106X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| C609 | 0.12/25 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| C610 | 0.22/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| C611 | 0.12/25 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| C613 | NCB11AK-106X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| C621 | 0.0039 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R701 | 100 | OPEN | OPEN | OPEN | 100 | 100 | 100 | DSP |
| Q609 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 温度検出 |
| R688 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R689 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R690 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| C710 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| IC661 | MX3000CS-X | OPEN | MX3000CS-X | OPEN | MX3000CS-X | MX3000CS-X | MX3000CS-X | MaxxBass |
| IC662 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| X661 | NAX0857-001X | OPEN | NAX0857-001X | OPEN | NAX0857-001X | NAX0857-001X | NAX0857-001X | |
| K661 | NQR0499-002X | OPEN | NQR0499-002X | OPEN | NQR0499-002X | NQR0499-002X | NQR0499-002X | |
| D661 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R661 | 3.3k | OPEN | 6.8k | OPEN | 3.3k | 3.3k | 3.3k | |
| R662 | 3.3k | OPEN | 6.8k | OPEN | 3.3k | 3.3k | 3.3k | |
| R663 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R664 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R665 | 100 | OPEN | 100 | OPEN | 100 | 100 | 100 | |
| R666 | 100 | OPEN | 100 | OPEN | 100 | 100 | 100 | |
| R667 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R668 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R669 | 1M | OPEN | 1M | OPEN | 1M | 1M | 1M | |
| R670 | 10k | OPEN | 10k | OPEN | 10k | 10k | 10k | |
| R671 | 0 | OPEN | 0 | OPEN | 0 | 0 | 0 | |
| R672 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R673 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R674 | OPEN | 0 | OPEN | 0 | OPEN | OPEN | OPEN | |
| R675 | OPEN | 0 | OPEN | 0 | OPEN | OPEN | OPEN | |
| C671 | 2.2/10 | OPEN | 2.2/10 | OPEN | 2.2/10 | 2.2/10 | 2.2/10 | |
| C672 | 2.2/10 | OPEN | 2.2/10 | OPEN | 2.2/10 | 2.2/10 | 2.2/10 | |
| C673 | 33p | OPEN | 33p | OPEN | 33p | 33p | 33p | |
| C674 | 33p | OPEN | 33p | OPEN | 33p | 33p | 33p | |
| C675 | 10/16 | OPEN | 10/16 | OPEN | 10/16 | 10/16 | 10/16 | |
| C676 | 0.1 | OPEN | 0.1 | OPEN | 0.1 | 0.1 | 0.1 | |
| C677 | 1/16 | OPEN | 1/16 | OPEN | 1/16 | 1/16 | 1/16 | |
| C678 | 0.015 | OPEN | 0.015 | OPEN | 0.015 | 0.015 | 0.015 | |
| C679 | 33p | OPEN | 33p | OPEN | 33p | 33p | 33p | |
| C680 | 33p | OPEN | 33p | OPEN | 33p | 33p | 33p | |
| C681 | 10/16 | OPEN | 10/16 | OPEN | 10/16 | 10/16 | 10/16 | |
| C682 | 0.1 | OPEN | 0.1 | OPEN | 0.1 | 0.1 | 0.1 | |
| C683 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| C684 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| C685 | 0.1 | OPEN | 0.1 | OPEN | 0.1 | 0.1 | 0.1 | |
| R709 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R710 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | |
| R711 | 0 | OPEN | 0 | OPEN | 0 | 0 | 0 | |
| R712 | 0 | OPEN | 0 | OPEN | 0 | 0 | 0 | |
| R653 | 5.6k | OPEN | 5.6k | OPEN | 5.6k | 5.6k | 5.6k | |
| K662 | O | OPEN | 0 | OPEN | O | O | O | |
| K663 | O | OPEN | 0 | OPEN | O | O | O | |
| C687 | 68p | OPEN | 68p | OPEN | 68p | 68p | 68p | |
| C688 | 68p | OPEN | 68p | OPEN | 68p | 68p | 68p | |

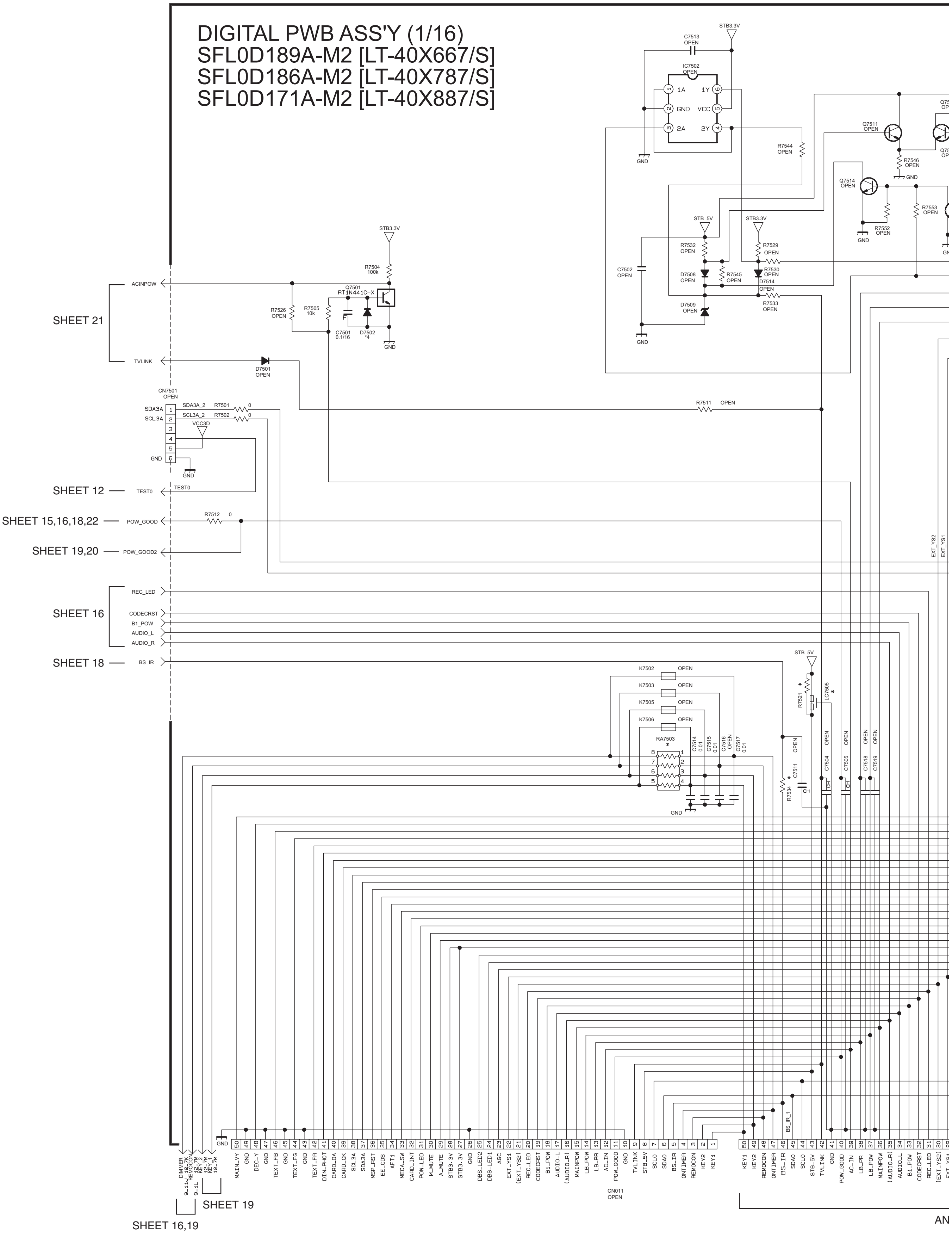
# ANALOG PWB CIRCUIT DIAGRAM (6/6) SHEET 6

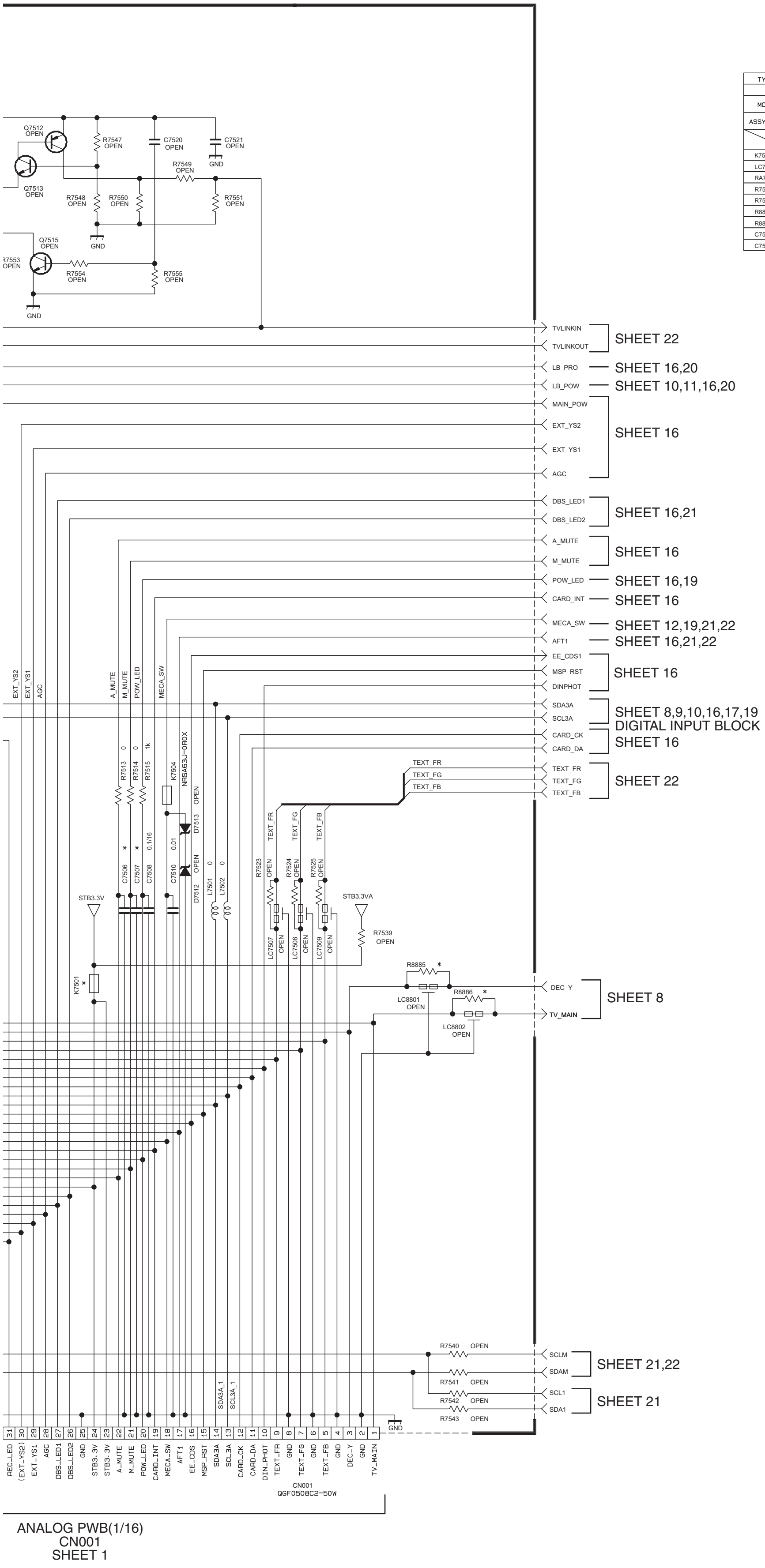

32V
1
STB_5V
STB3.3V
O_DC-DC_PB
CN00H
QGA2001F6-15X
DC-DC PWB
CN00H
SHEET 28
32V 1
GND 2
MAIN POW 3
POWER GOOD 4
LCD_POW 5
AC_IN 6
STB_5V 7
GND 8
SCL3A5 9
GND 10
SDA3A5 11
5V 12
9V 13
GND 14
GND 15
GND
IC902
BA33BC0FP-X
1
2
3
C904
NCB11AK-106X
C905
47/16
NEHM1CM-476X
C906
0.1 /25
NCB31EK-104X
GND
NC
D90
OP
GND
NC
SHEET 1,3,5
SCL3A5
1_22N 2_80 3_2M
SDA3A5
1_22N 2_80 3_2M
基板ＧＮＤ－ビスＧＮＤ間結線
Y610 OPEN
Y611 OPEN
Y612 OPEN
Y903 OPEN
GND
Y607 OPEN
Y608 OPEN
Y609 OPEN
Y902 OPEN
GND
Y604 OPE
Y605 OPE
Y606 OPE
Y904 OPE

## ANALOG PWB ASS'Y(6/6)
## SFL-1312A-M2


BS_A9V
BS_A5V
VCC5
R912
OPEN
L902
NQL52EM-220X
D903
OPEN
C913
NEX51CM-335X
GND
L903
NQR0562-010X
C914
NEX50JM-156X
GND
L906
NQL52EM-220X
C920
NEX50JM-156X
GND
OPEN
Y601 OPEN
OPEN
Y602 OPEN
OPEN
Y603 OPEN
OPEN
Y905 OPEN
GND
GND
B1_POW
SHEET 1
MAIN_POW
AC_IN
POW_GOOD

c10459001a005_0410_5/6_0.0


DIGITAL PWB ASS'Y (1/16)
SFL0D189A-M2 [LT-40X667/S]
SFL0D186A-M2 [LT-40X787/S]
SFL0D171A-M2 [LT-40X887/S]
SHEET 21
ACINPOW
TVLINK
SHEET 12
TEST0
SHEET 15,16,18,22
POW_GOOD
SHEET 19,20
POW_GOOD2
SHEET 16
REC_LED
CODECRST
B1_POW
AUDIO_L
AUDIO_R
SHEET 18
BS_IR
STB3.3V
R7504 100k
Q7501 RT1N441C-X
R7526 OPEN
R7505 10k
C7501 0.1/16
D7502 *4
GND
D7501 OPEN
CN7501 OPEN
SDA3A
SCL3A
SDA3A_2
SCL3A_2
R7501 0
R7502 0
VCC3D
R7512 0
R7511 OPEN
C7513 OPEN
IC7502 OPEN
1A
GND
2A
1Y
VCC
2Y
R7544 OPEN
Q7511 OPEN
R7546 OPEN
Q7514 OPEN
R7552 OPEN
R7553 OPEN
STB_5V
C7502 OPEN
R7532 OPEN
D7508 OPEN
R7545 OPEN
D7509 OPEN
R7529 OPEN
R7530 OPEN
D7514 OPEN
R7533 OPEN
EXT_YS2
EXT_YS1
K7502 OPEN
K7503 OPEN
K7505 OPEN
K7506 OPEN
RA7503 *
C7514 0.01
C7515 0.01
C7516 OPEN
C7517 0.01
R7521 *
LC7505 *
C7511 OPEN
R7534 *
C7504 OPEN
C7505 OPEN
C7518 OPEN
C7519 OPEN
CH
BS_IR_1
DIMMER 9_11L 12_7K
REMOCON 12_7M 9_1L
KEY_2 12_7M
KEY_1 12_7M
MAIN_VY
DEC_Y
TEXT_FB
TEXT_FG
TEXT_FR
DIN_PHOT
CARD_DA
CARD_CK
SCL3A
SDA3A
MSP_RST
EE_CDS
AFT1
MECA_SW
CARD_INT
POW_LED
M_MUTE
A_MUTE
STB3.3V
DBS_LED2
DBS_LED1
AGC
EXT_YS1
(EXT_YS2)
REC_LED
CODECRST
B1_POW
AUDIO_L
(AUDIO_R)
MAINPOW
LB_POW
LB_PR
AC_IN
POW_GOOD
TVLINK
STB_5V
SCL0
SDA0
BS_IR
ONTIMER
REMOCON
KEY2
KEY1
CN011 OPEN
SHEET 19
SHEET 16,19
AN


Q7512 OPEN
Q7513 OPEN
R7547 OPEN
C7520 OPEN
C7521 OPEN
R7549 OPEN
GND
R7548 OPEN
R7550 OPEN
R7551 OPEN
Q7515 OPEN
R7553 OPEN
R7554 OPEN
R7555 OPEN
TVLINKIN
TVLINKOUT
SHEET 22
LB_PRO
SHEET 16,20
LB_POW
SHEET 10,11,16,20
MAIN_POW
EXT_YS2
EXT_YS1
AGC
SHEET 16
DBS_LED1
DBS_LED2
SHEET 16,21
A_MUTE
M_MUTE
SHEET 16
POW_LED
SHEET 16,19
CARD_INT
SHEET 16
MECA_SW
SHEET 12,19,21,22
AFT1
SHEET 16,21,22
EE_CDS1
MSP_RST
DINPHOT
SHEET 16
SDA3A
SCL3A
SHEET 8,9,10,16,17,19
DIGITAL INPUT BLOCK
CARD_CK
CARD_DA
SHEET 16
TEXT_FR
TEXT_FG
TEXT_FB
SHEET 22
R7513 0
R7514 0
R7515 1k
K7504
NRSA63J-0R0X
D7513 OPEN
C7506 *
C7507 *
C7508 0.1/16
C7510 0.01
D7512 OPEN
L7501 0
L7502 0
R7523 OPEN
R7524 OPEN
R7525 OPEN
LC7507 OPEN
LC7508 OPEN
LC7509 OPEN
STB3.3V
STB3.3VA
R7539 OPEN
K7501 *
R8885 *
LC6801 OPEN
R8886 *
LC6802 OPEN
DEC_Y
TV_MAIN
SHEET 8
R7540 OPEN
R7541 OPEN
R7542 OPEN
R7543 OPEN
SCLM
SDAM
SHEET 21,22
SCL1
SDA1
SHEET 21
SDA3A_1
SCL3A_1
GND
31 REC_LED
30 (EXT_YS2)
29 EXT_YS1
28 AGC
27 DBS_LED2
26 DBS_LED2
25 GND
24 STB3.3V
23 STB3.3V
22 A_MUTE
21 M_MUTE
20 POW_LED
19 CARD_INT
18 MECA_SW
17 AFT1
16 EE_CDS
15 MSP_RST
14 SDA3A
13 SCL3A
12 CARD_CK
11 CARD_DA
10 DIN_PHOT
9 TEXT_FR
8 GND
7 TEXT_FG
6 GND
5 TEXT_FB
4 GND
3 DEC_Y
2 GND
1 TV_MAIN
CN001
QGF0508C2-50W
ANALOG PWB(1/16)
CN001
SHEET 1

## * DIFFERENCE LIST

| TYPE | LCD | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | JPN | | | US | | | | | |
| MODEL | LT-46LH800 | LT-37LC85 | LT-26LC80 | LT-40X887 /X787 | LT-37X887 /X787/X667 | LT-32X887 /X787 | LT-32XM57 | LT-46FH97 /40FH97 | LT-46FN97 /40FN97 |
| ASSY NO. | SFL-0D071A | SFL-0D072A | SFL-0D074A | SFL-0D171A etc | SFL-0D172A etc | SFL-0D173A 175A,178Aetc | SFL-0D180A | SFL-0D182A etc | SFL-0D184A etc |
| | 0LLC10547 | 0LLC10547 -02 | 0LLC10547 -04 | 0LLC10547 -05 etc | 0LLC10547 -06 etc | 0LLC10547 -07 etc | 0LLC10547 -14 | 0LLC10547 -16 etc | 0LLC10547 -18 etc |
| K7501 | NRSA02J -0R0X | NRSA02J -0R0X | NRSA02J -0R0X | NQR0413 -002X | NQR0413 -002X | NQR0413 -002X | NQR0413 -002X | NQR0413 -002X | NQR0413 -002X |
| LC7505 | OPEN | OPEN | OPEN | NQR0483 -005X | NQR0483 -005X | NQR0483 -005X | NQR0483 -005X | NQR0483 -005X | NQR0483 -005X |
| RA7503 | NRZ0040 -0R0X | NRZ0040 -0R0X | NRZ0040 -0R0X | NQR0271 -004X | NQR0271 -004X | NQR0271 -004X | NQR0271 -004X | NQR0271 -004X | NQR0271 -004X |
| R7521 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R7534 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8885 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8886 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C7506 | OPEN | OPEN | OPEN | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| C7507 | OPEN | OPEN | OPEN | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |

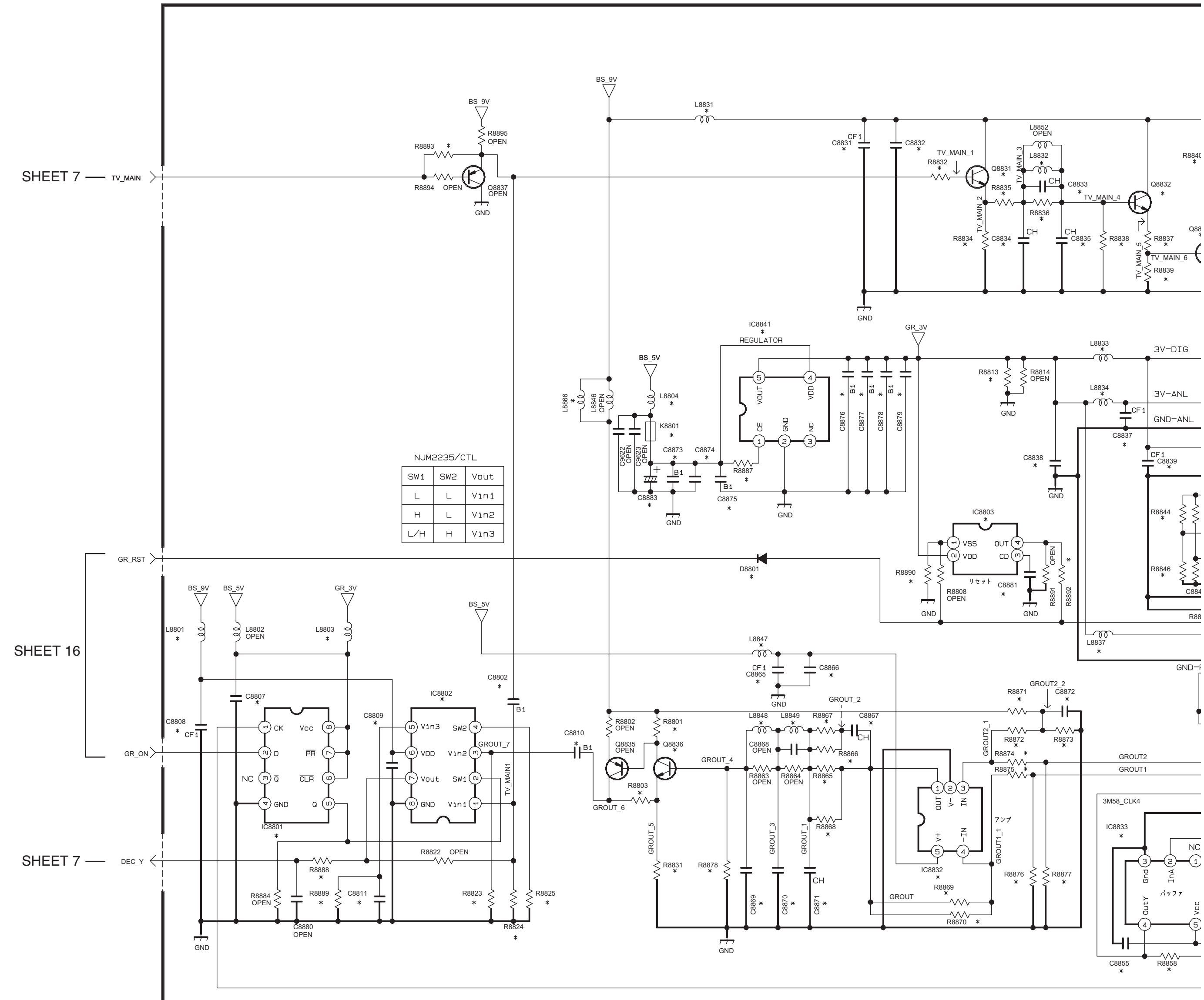
### ASSY NO. - MODEL LIST

| ASSY NO. | | MODEL |
|---|---|---|
| SFL-0D071A (LCA10708-51A) | ··· | LT-46LH800A |
| SFL-0D072A (LCA10708-52A) | ··· | LT-37LC85A |
| SFL-0D074A (LCA10708-54A) | ··· | LT-26LC80A |
| SFL-0D171A (LCA10708-55A) | ··· | LT-40X887SA |
| SFL-0D186A (LCA10708-70A) | ··· | LT-40X787SA |
| SFL-0D172A (LCA10708-56A) | ··· | LT-37X887ZA |
| SFL-0D174A (LCA10708-58A) | ··· | LT-37X787ZA |
| SFL-0D173A (LCA10708-57A) | ··· | LT-32X887ZA |
| SFL-0D175A (LCA10708-59A) | ··· | LT-32X787ZA |
| SFL-0D178A (LCA10708-62A) | ··· | LT-32X667ZA |
| SFL-0D180A (LCA10708-64A) | ··· | LT-32XM57ZA |
| SFL-0D182A (LCA10708-66A) | ··· | LT-46FH97SA |
| SFL-0D183A (LCA10708-67A) | ··· | LT-40FH97SA |
| SFL-0D184A (LCA10708-68A) | ··· | LT-46FN97SA |
| SFL-0D185A (LCA10708-69A) | ··· | LT-40FN97SA |

### NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:1SS355-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

# DIGITAL PWB CIRCUIT DIAGRAM (2/16) SHEET 8


SHEET 7
TV_MAIN
SHEET 16
GR_RST
GR_ON
SHEET 7
DEC_Y
BS_9V
BS_5V
GR_3V
3V-DIG
3V-ANL
GND-ANL
GND
IC8841
REGULATOR
VOUT
VDD
CE
GND
NC
IC8801
CK
Vcc
D
PR
NC
Q
CLR
GND
IC8802
Vin3
SW2
VDD
Vin2
Vout
SW1
GND
Vin1
IC8803
VSS
OUT
VDD
CD
リセット
IC8832
OUT
V-
IN
V+
-IN
アンプ
3M58_CLK4
IC8833
Gnd
InA
OutY
Vcc
バッファ
Q8831
Q8832
Q8835
Q8836
Q8837
D8801
TV_MAIN_1
TV_MAIN_2
TV_MAIN_3
TV_MAIN_4
TV_MAIN_5
TV_MAIN_6
TV_MAIN1
GROUT
GROUT1
GROUT2
GROUT_1
GROUT_2
GROUT2_1
GROUT2_2
GROUT_3
GROUT_4
GROUT_5
GROUT_6
GROUT_7
NJM2235/CTL

| SW1 | SW2 | Vout |
|---|---|---|
| L | L | Vin1 |
| H | L | Vin2 |
| L/H | H | Vin3 |

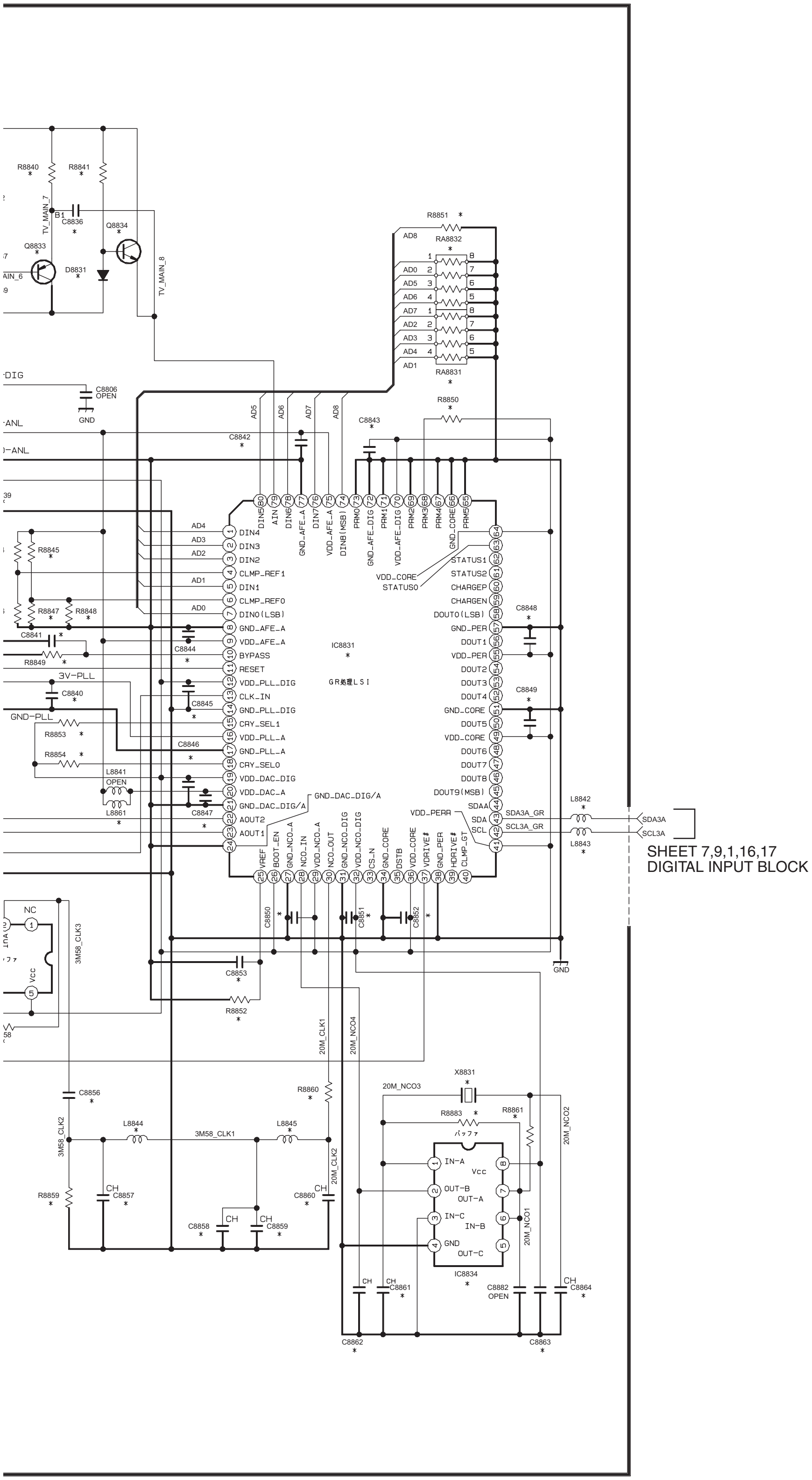
NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

## DIGITAL PWB ASS'Y (2/16)
## SFL0D189A-M2 [LT-40X667/S]
## SFL0D186A-M2 [LT-40X787/S]
## SFL0D171A-M2 [LT-40X887/S]

ASSY NO. - MODEL LIST

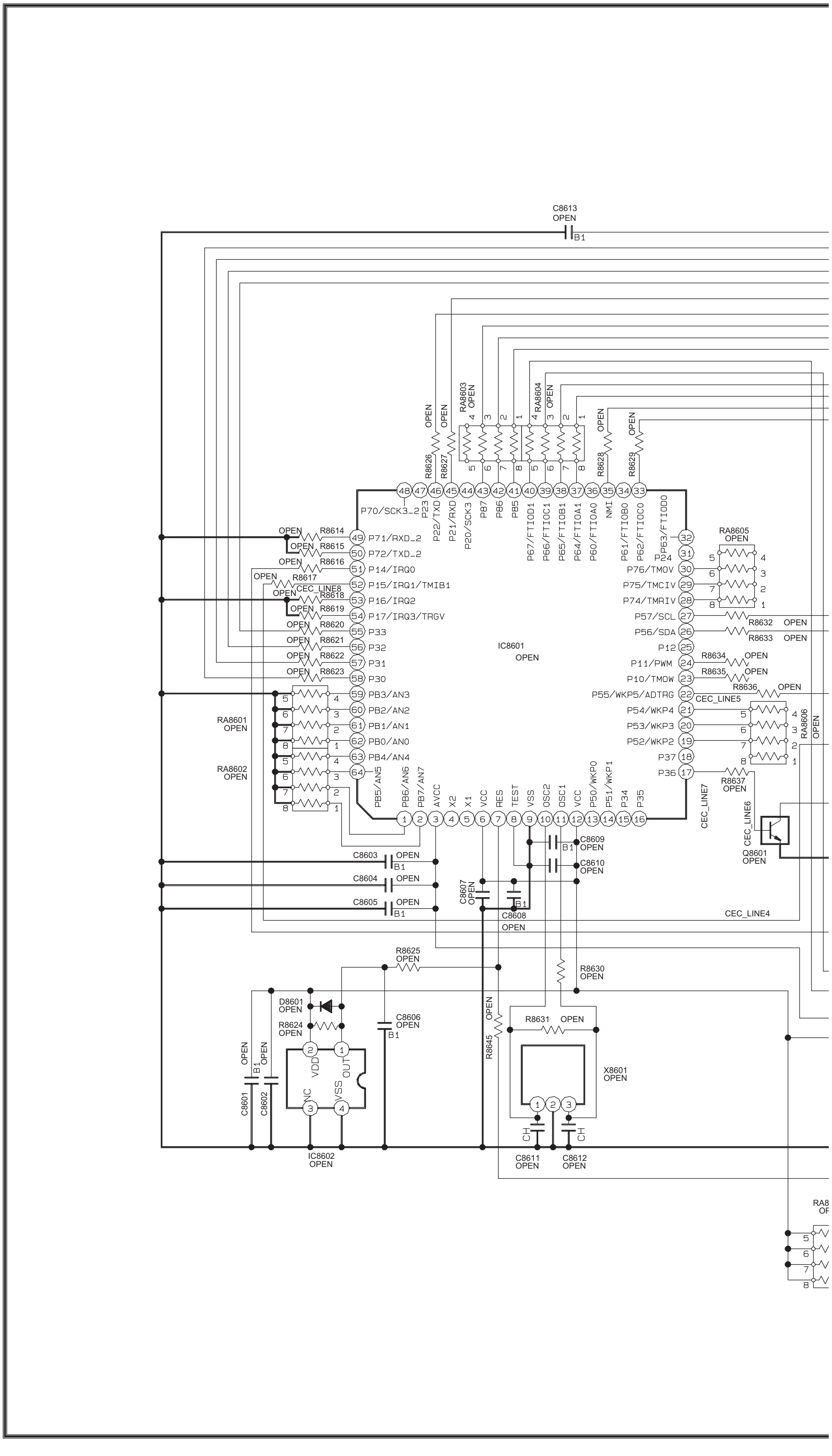
| ASSY NO. | | MODEL |
|---|---|---|
| SFL-0D071A<br>(LCA10708-51A) | ··· | LT-46LH800A |
| SFL-0D072A<br>(LCA10708-52A) | ··· | LT-37LC85A |
| SFL-0D074A<br>(LCA10708-54A) | ··· | LT-26LC80A |
| SFL-0D171A<br>(LCA10708-55A) | ··· | LT-40X887SA |
| SFL-0D186A<br>(LCA10708-70A) | ··· | LT-40X787SA |
| SFL-0D172A<br>(LCA10708-56A) | ··· | LT-37X887ZA |
| SFL-0D174A<br>(LCA10708-58A) | ··· | LT-37X787ZA |
| SFL-0D173A<br>(LCA10708-57A) | ··· | LT-32X887ZA |
| SFL-0D175A<br>(LCA10708-59A) | ··· | LT-32X787ZA |
| SFL-0D178A<br>(LCA10708-62A) | ··· | LT-32X667ZA |
| SFL-0D180A<br>(LCA10708-64A) | ··· | LT-32XM57ZA |
| SFL-0D182A<br>(LCA10708-66A) | ··· | LT-46FH97SA |
| SFL-0D183A<br>(LCA10708-67A) | ··· | LT-40FH97SA |
| SFL-0D184A<br>(LCA10708-68A) | ··· | LT-46FN97SA |
| SFL-0D185A<br>(LCA10708-69A) | ··· | LT-40FN97SA |



# * DIFFERENCE LIST

| TYPE | LCD | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | JPN | | | US | | | | | |
| MODEL | LT-46LH800 | LT-37LC85 | LT-26LC80 | LT-40X887 /X787 | LT-37X887 /X787/X667 | LT-32X887 /X787 | LT-32XM57 | LT-46FH97 /40FH97 | LT-46FN97 /40FN97 |
| ASSY NO. | SFL-0D071A | SFL-0D072A | SFL-0D074A | SFL-0D171A etc | SFL-0D172A etc | SFL-0D173A 175A, 178Aetc | SFL-0D180A | SFL-0D182A etc | SFL-0D184A etc |
| | 0LLC10547 | 0LLC10547 -02 | 0LLC10547 -04 | 0LLC10547 -05 etc | 0LLC10547 -06 etc | 0LLC10547 -07 etc | 0LLC10547 -14 | 0LLC10547 -16 etc | 0LLC10547 -18 etc |
| X8831 | NAX0118-001X | NAX0118-001X | NAX0118-001X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| IC8801 | TC7W74F-X | TC7W74F-X | TC7W74F-X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| IC8802 | NJM2235V-X | NJM2235V-X | NJM2235V-X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| IC8803 | S-80928CLNB-G-W | S-80928CLNB-G-W | S-80928CLNB-G-W | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| IC8831 | OR43304BMQC | OR43304BMQC | OR43304BMQC | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| IC8832 | EL8101IWZ-X | EL8101IWZ-X | EL8101IWZ-X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| IC8833 | TC7S04FU-X | TC7S04FU-X | TC7S04FU-X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| IC8834 | TC7WHU04FU-X | TC7WHU04FU-X | TC7WHU04FU-X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| IC8841 | R1170H331B-X | R1170H331B-X | R1170H331B-X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| Q8831 | NPN | NPN | NPN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| Q8832 | NPN | NPN | NPN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| Q8833 | PNP | PNP | PNP | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| Q8834 | NPN | NPN | NPN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| Q8836 | NPN | NPN | NPN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| D8801 | *4 | *4 | *4 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| D8831 | *4 | *4 | *4 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| K8801 | *2 | *2 | *2 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| L8801 | NRSA02J-0R0X | NRSA02J-0R0X | NRSA02J-0R0X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| L8803 | *5 | *5 | *5 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| L8804 | NQL52EM-101X | NQL52EM-101X | NQL52EM-101X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| L8831 | NQR0413-003X | NQR0413-003X | NQR0413-003X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| L8832 | NQL092K-6R8X | NQL092K-6R8X | NQL092K-6R8X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| L8833 | NRSA02J-0R0X | NRSA02J-0R0X | NRSA02J-0R0X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| L8834 | NRSA02J-0R0X | NRSA02J-0R0X | NRSA02J-0R0X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| L8837 | NQL914K-470X | NQL914K-470X | NQL914K-470X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| L8842 | NQL092K-100X | NQL092K-100X | NQL092K-100X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| L8843 | NQL092K-100X | NQL092K-100X | NQL092K-100X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| L8844 | NQL092K-100X | NQL092K-100X | NQL092K-100X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| L8845 | NQL092K-100X | NQL092K-100X | NQL092K-100X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| L8847 | NQR0413-003X | NQR0413-003X | NQR0413-003X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| L8848 | NQL092K-2R2X | NQL092K-2R2X | NQL092K-2R2X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| L8849 | NQL092K-2R2X | NQL092K-2R2X | NQL092K-2R2X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| L8861 | NQR0499-001X | NQR0499-001X | NQR0499-001X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| L8866 | NQR0499-001X | NQR0499-001X | NQR0499-001X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| RA8831 | NRZ0034-103W | NRZ0034-103W | NRZ0034-103W | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| RA8832 | NRZ0034-103W | NRZ0034-103W | NRZ0034-103W | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8801 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8803 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8813 | 560 | 560 | 560 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8823 | 1M | 1M | 1M | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8824 | 470k | 470k | 470k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8825 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8831 | 2.2k | 2.2k | 2.2k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8832 | 100 | 100 | 100 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8834 | 1.2k | 1.2k | 1.2k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8835 | 180 | 180 | 180 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8836 | 680 | 680 | 680 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8837 | 100 | 100 | 100 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8838 | 1k | 1k | 1k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8839 | 1k | 1k | 1k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8840 | 5.6k | 5.6k | 5.6k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8841 | 4.7k | 4.7k | 4.7k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8844 | 3.9k | 3.9k | 3.9k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8845 | 3.9k | 3.9k | 3.9k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8846 | 1k | 1k | 1k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8847 | 1.2k | 1.2k | 1.2k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8848 | 4.7k | 4.7k | 4.7k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8849 | 47k | 47k | 47k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8850 | 10k | 10k | 10k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8851 | 10k | 10k | 10k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8852 | 10k | 10k | 10k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8853 | 10k | 10k | 10k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8854 | 10k | 10k | 10k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8858 | 1M | 1M | 1M | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8859 | 1.8k | 1.8k | 1.8k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8860 | 100 | 100 | 100 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8861 | 330 | 330 | 330 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8865 | 47 | 47 | 47 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8866 | 330 | 330 | 330 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8867 | 47 | 47 | 47 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8868 | 330 | 330 | 330 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8869 | 3.3k | 3.3k | 3.3k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8870 | 47k | 47k | 47k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8871 | 1k | 1k | 1k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8872 | 8.2k | 8.2k | 8.2k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8873 | 390 | 390 | 390 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8874 | 1.8k | 1.8k | 1.8k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8875 | 1.8k | 1.8k | 1.8k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8876 | 75 | 75 | 75 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8877 | 75 | 75 | 75 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8878 | 1k | 1k | 1k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8883 | 1M | 1M | 1M | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8887 | 1k | 1k | 1k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8888 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8889 | 1M | 1M | 1M | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8890 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8892 | 3.9k | 3.9k | 3.9k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8893 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8802 | 10/10 | 10/10 | 10/10 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8807 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8808 | 4.7/16 | 4.7/16 | 4.7/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8809 | 0.01/50 | 0.01/50 | 0.01/50 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8810 | 10/10 | 10/10 | 10/10 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8811 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8831 | 4.7/16 | 4.7/16 | 4.7/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8832 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8833 | 15p/50 | 15p/50 | 15p/50 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8834 | 220p/50 | 220p/50 | 220p/50 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8835 | 120p/50 | 120p/50 | 120p/50 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8836 | 4.7/16 | 4.7/16 | 4.7/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8837 | 4.7/16 | 4.7/16 | 4.7/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8838 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8839 | 4.7/16 | 4.7/16 | 4.7/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8840 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8841 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8842 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8843 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8844 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8845 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8846 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8847 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8848 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8849 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8850 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8851 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8852 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8853 | 1000p/50 | 1000p/50 | 1000p/50 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8855 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8856 | 1000p/50 | 1000p/50 | 1000p/50 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8857 | 270p/50 | 270p/50 | 270p/50 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8858 | 560p/50 | 560p/50 | 560p/50 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8859 | 270p/50 | 270p/50 | 270p/50 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8860 | 390p/50 | 390p/50 | 390p/50 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8861 | 33p/50 | 33p/50 | 33p/50 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8862 | 10p/50 | 10p/50 | 10p/50 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8863 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8864 | 33p/50 | 33p/50 | 33p/50 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8865 | 4.7/16 | 4.7/16 | 4.7/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8866 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8867 | 330p/50 | 330p/50 | 330p/50 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8869 | 1000p/50 | 1000p/50 | 1000p/50 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8870 | 1500p/50 | 1500p/50 | 1500p/50 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8871 | 220p/50 | 220p/50 | 220p/50 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8872 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8873 | 10/10 | 10/10 | 10/10 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8874 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8875 | 1/16 | 1/16 | 1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8876 | 4.7/16 | 4.7/16 | 4.7/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8877 | 10/10 | 10/10 | 10/10 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8878 | 10/10 | 10/10 | 10/10 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8879 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8881 | 1000p | 1000p | 1000p | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C8883 | NEX60JM-227X | NEX60JM-227X | NEX60JM-227X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |

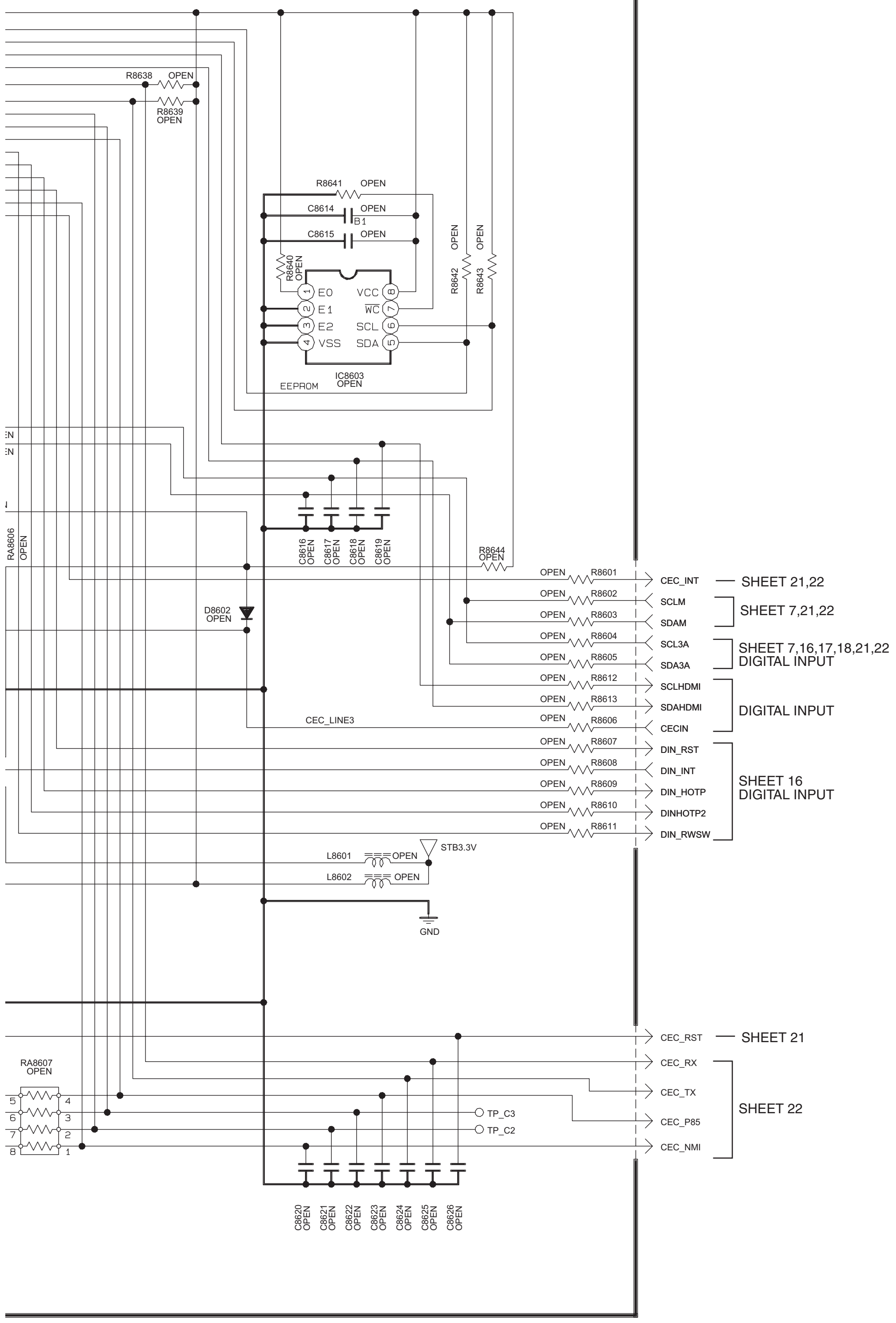
# DIGITAL PWB CIRCUIT DIAGRAM (3/16) SHEET 9


C8613
OPEN
B1
IC8601
OPEN
P70/SCK3_2
P23
P22/TXD
P21/RXD
P20/SCK3
PB7
PB6
PB5
P67/FTIOD1
P66/FTIOC1
P65/FTIOB1
P64/FTIOA1
P60/FTIOA0
NMI
P61/FTIOB0
P62/FTIOC0
P63/FTIOD0
P71/RXD_2
P72/TXD_2
P14/IRQ0
P15/IRQ1/TMIB1
P16/IRQ2
P17/IRQ3/TRGV
P33
P32
P31
P30
PB3/AN3
PB2/AN2
PB1/AN1
PB0/AN0
PB4/AN4
PB5/AN5
PB6/AN6
PB7/AN7
AVCC
X2
X1
VCC
RES
TEST
VSS
OSC2
OSC1
VCC
P50/WKP0
P51/WKP1
P34
P35
P24
P76/TMOV
P75/TMCIV
P74/TMRIV
P57/SCL
P56/SDA
P12
P11/PWM
P10/TMOW
P55/WKP5/ADTRG
P54/WKP4
P53/WKP3
P52/WKP2
P37
P36
R8626
R8627
RA8603
OPEN
RA8604
OPEN
R8628
R8629
R8614
R8615
R8616
R8617
R8618
R8619
R8620
R8621
R8622
R8623
CEC_LINE8
RA8601
OPEN
RA8602
OPEN
RA8605
OPEN
R8632
R8633
R8634
R8635
R8636
CEC_LINE5
RA8606
OPEN
R8637
OPEN
CEC_LINE7
CEC_LINE6
Q8601
OPEN
C8603
C8604
C8605
C8607
C8608
C8609
C8610
CEC_LINE4
R8625
OPEN
R8630
OPEN
D8601
OPEN
R8624
OPEN
C8606
OPEN
R8645
R8631
X8601
OPEN
C8601
C8602
VDD
OUT
NC
VSS
IC8602
OPEN
CH
C8611
OPEN
C8612
OPEN
RA8
OF

# DIGITAL PWB ASS'Y (3/16)
SFL0D189A-M2 [LT-40X667/S]
SFL0D186A-M2 [LT-40X787/S]
SFL0D171A-M2 [LT-40X887/S]

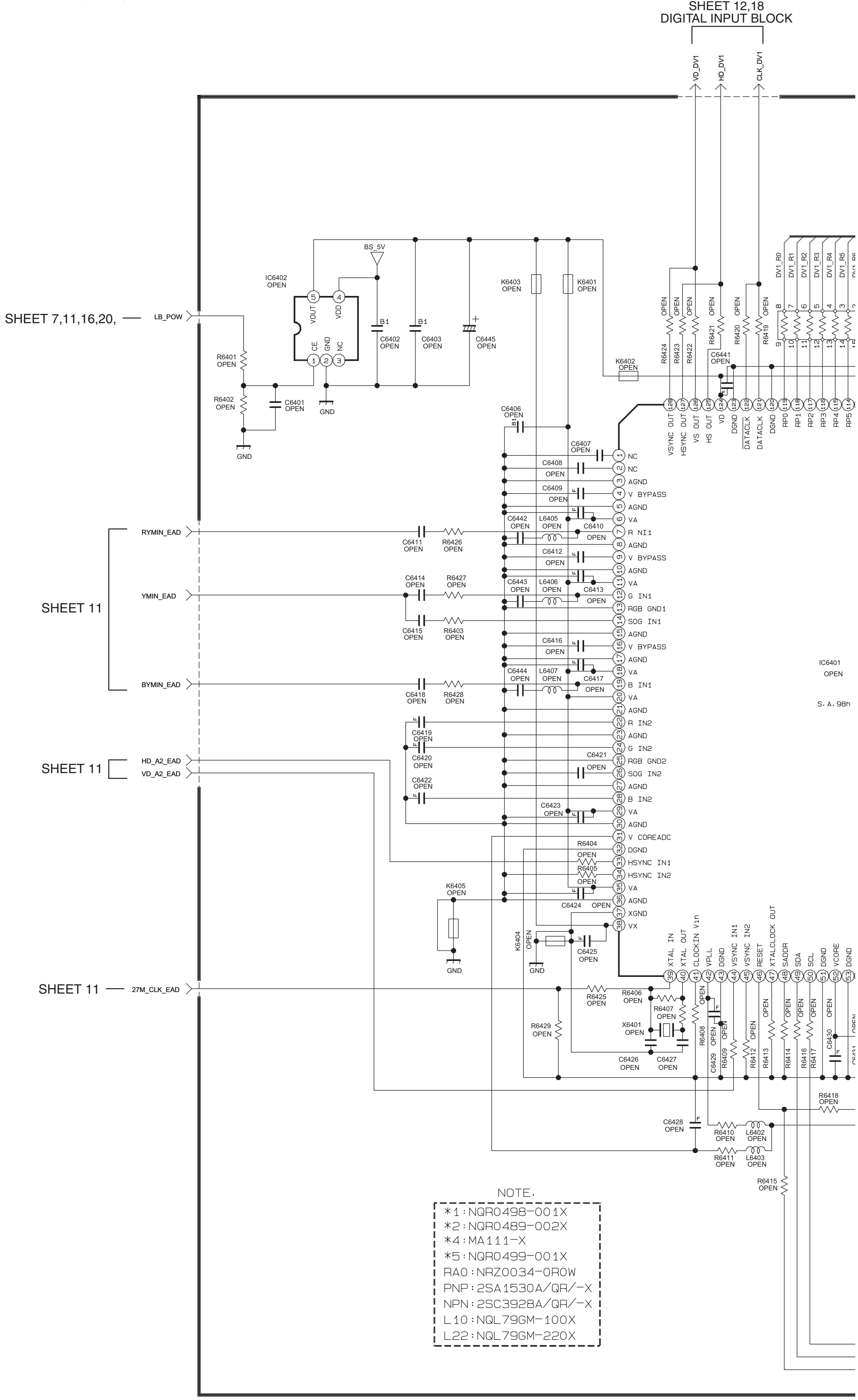
NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X



R8638 OPEN
R8639 OPEN
R8641 OPEN
C8614 OPEN
B1
C8615 OPEN
R8640 OPEN
R8642 OPEN
R8643 OPEN
E0 VCC
E1 WC
E2 SCL
VSS SDA
IC8603 OPEN
EEPROM
RA8606 OPEN
C8616 OPEN
C8617 OPEN
C8618 OPEN
C8619 OPEN
R8644 OPEN
D8602 OPEN
OPEN R8601 CEC_INT
OPEN R8602 SCLM
OPEN R8603 SDAM
OPEN R8604 SCL3A
OPEN R8605 SDA3A
OPEN R8612 SCLHDMI
OPEN R8613 SDAHDMI
CEC_LINE3
OPEN R8606 CECIN
OPEN R8607 DIN_RST
OPEN R8608 DIN_INT
OPEN R8609 DIN_HOTP
OPEN R8610 DINHOTP2
OPEN R8611 DIN_RWSW
SHEET 21,22
SHEET 7,21,22
SHEET 7,16,17,18,21,22
DIGITAL INPUT
DIGITAL INPUT
SHEET 16
DIGITAL INPUT
L8601 OPEN
L8602 OPEN
STB3.3V
GND
CEC_RST
SHEET 21
CEC_RX
CEC_TX
CEC_P85
CEC_NMI
SHEET 22
RA8607 OPEN
TP_C3
TP_C2
C8620 OPEN
C8621 OPEN
C8622 OPEN
C8623 OPEN
C8624 OPEN
C8625 OPEN
C8626 OPEN

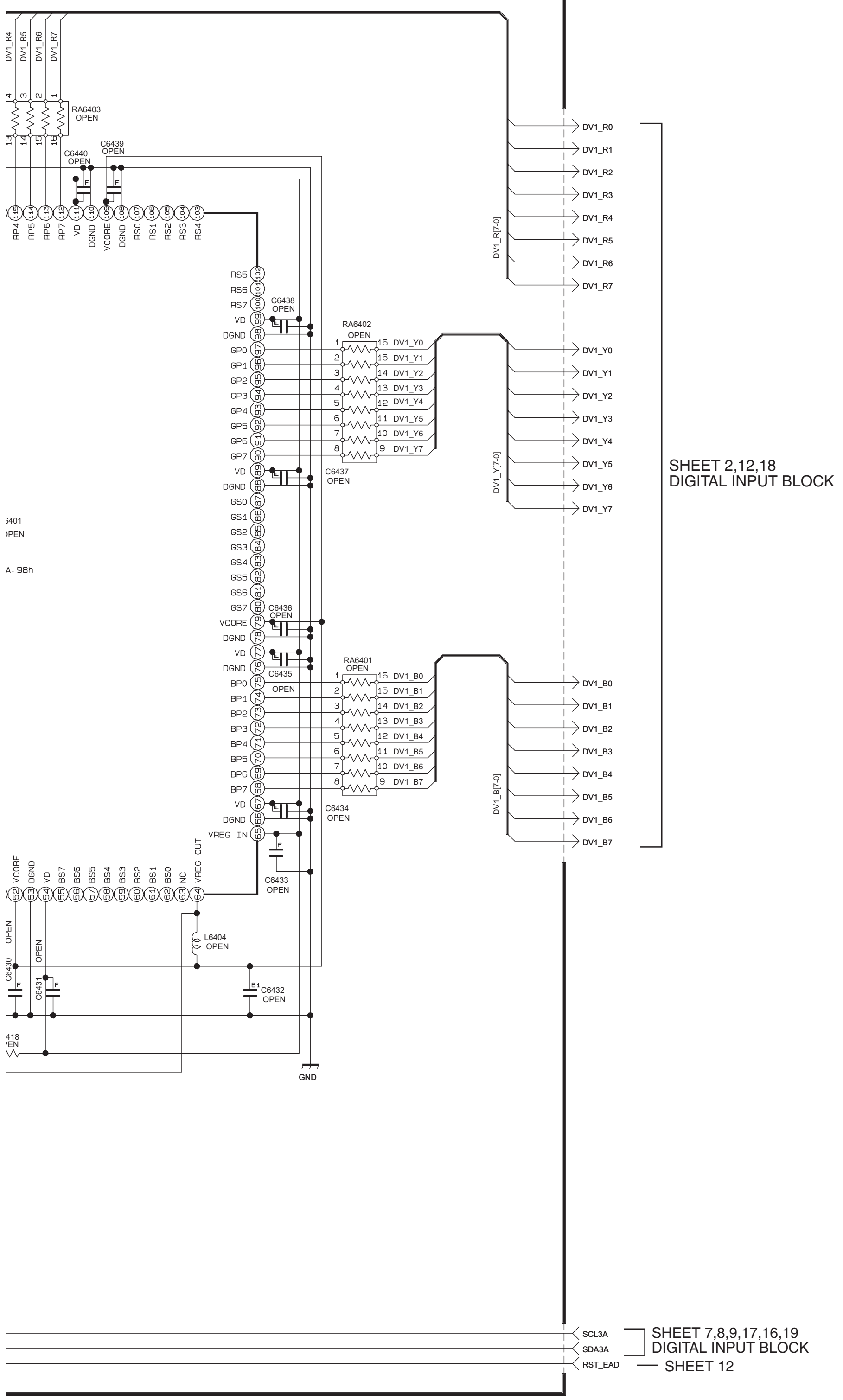
# DIGITAL PWB CIRCUIT DIAGRAM (4/16) SHEET 10


SHEET 12,18
DIGITAL INPUT BLOCK
VD_DV1
HD_DV1
CLK_DV1
SHEET 7,11,16,20,
LB_POW
SHEET 11
RYMIN_EAD
YMIN_EAD
BYMIN_EAD
SHEET 11
HD_A2_EAD
VD_A2_EAD
SHEET 11
27M_CLK_EAD
IC6402
OPEN
BS_5V
VOUT
VDD
CE
GND
NC
B1
C6402 OPEN
C6403 OPEN
C6445 OPEN
R6401 OPEN
R6402 OPEN
C6401 OPEN
GND
K6403 OPEN
K6401 OPEN
K6402 OPEN
K6404 OPEN
K6405 OPEN
C6441 OPEN
C6406 OPEN
C6407 OPEN
C6408 OPEN
C6409 OPEN
C6410 OPEN
C6411 OPEN
C6412 OPEN
C6413 OPEN
C6414 OPEN
C6415 OPEN
C6416 OPEN
C6417 OPEN
C6418 OPEN
C6419 OPEN
C6420 OPEN
C6421 OPEN
C6422 OPEN
C6423 OPEN
C6424 OPEN
C6425 OPEN
C6426 OPEN
C6427 OPEN
C6428 OPEN
C6429
C6430
C6442 OPEN
C6443 OPEN
C6444 OPEN
L6405 OPEN
L6406 OPEN
L6407 OPEN
L6402 OPEN
L6403 OPEN
R6403 OPEN
R6404 OPEN
R6405 OPEN
R6406 OPEN
R6407 OPEN
R6408 OPEN
R6409 OPEN
R6410 OPEN
R6411 OPEN
R6412 OPEN
R6413 OPEN
R6414 OPEN
R6415 OPEN
R6416 OPEN
R6417 OPEN
R6418 OPEN
R6419 OPEN
R6420 OPEN
R6421 OPEN
R6422 OPEN
R6423 OPEN
R6424 OPEN
R6425 OPEN
R6426 OPEN
R6427 OPEN
R6428 OPEN
R6429 OPEN
X6401 OPEN
DV1_R0
DV1_R1
DV1_R2
DV1_R3
DV1_R4
DV1_R5
1 NC
2 NC
3 AGND
4 V BYPASS
5 AGND
6 VA
7 R NI1
8 AGND
9 V BYPASS
10 AGND
11 VA
12 G IN1
13 RGB GND1
14 SOG IN1
15 AGND
16 V BYPASS
17 AGND
18 VA
19 B IN1
20 VA
21 AGND
22 R IN2
23 AGND
24 G IN2
25 RGB GND2
26 SOG IN2
27 AGND
28 B IN2
29 VA
30 AGND
31 V COREADC
32 DGND
33 HSYNC IN1
34 HSYNC IN2
35 VA
36 AGND
37 XGND
38 VX
39 XTAL IN
40 XTAL OUT
41 CLOCKIN Vin
42 VPLL
43 DGND
44 VSYNC IN1
45 VSYNC IN2
46 RESET
47 XTALCLOCK OUT
48 SADDR
49 SDA
50 SCL
51 DGND
52 VCORE
53 DGND
128 VSYNC OUT
127 HSYNC OUT
126 VS OUT
125 HS OUT
124 VD
123 DGND
122 DATACLK
121 DATACLK
120 DGND
119 RP0
118 RP1
117 RP2
116 RP3
115 RP4
114 RP5
IC6401
OPEN
S.A.98h

NOTE.

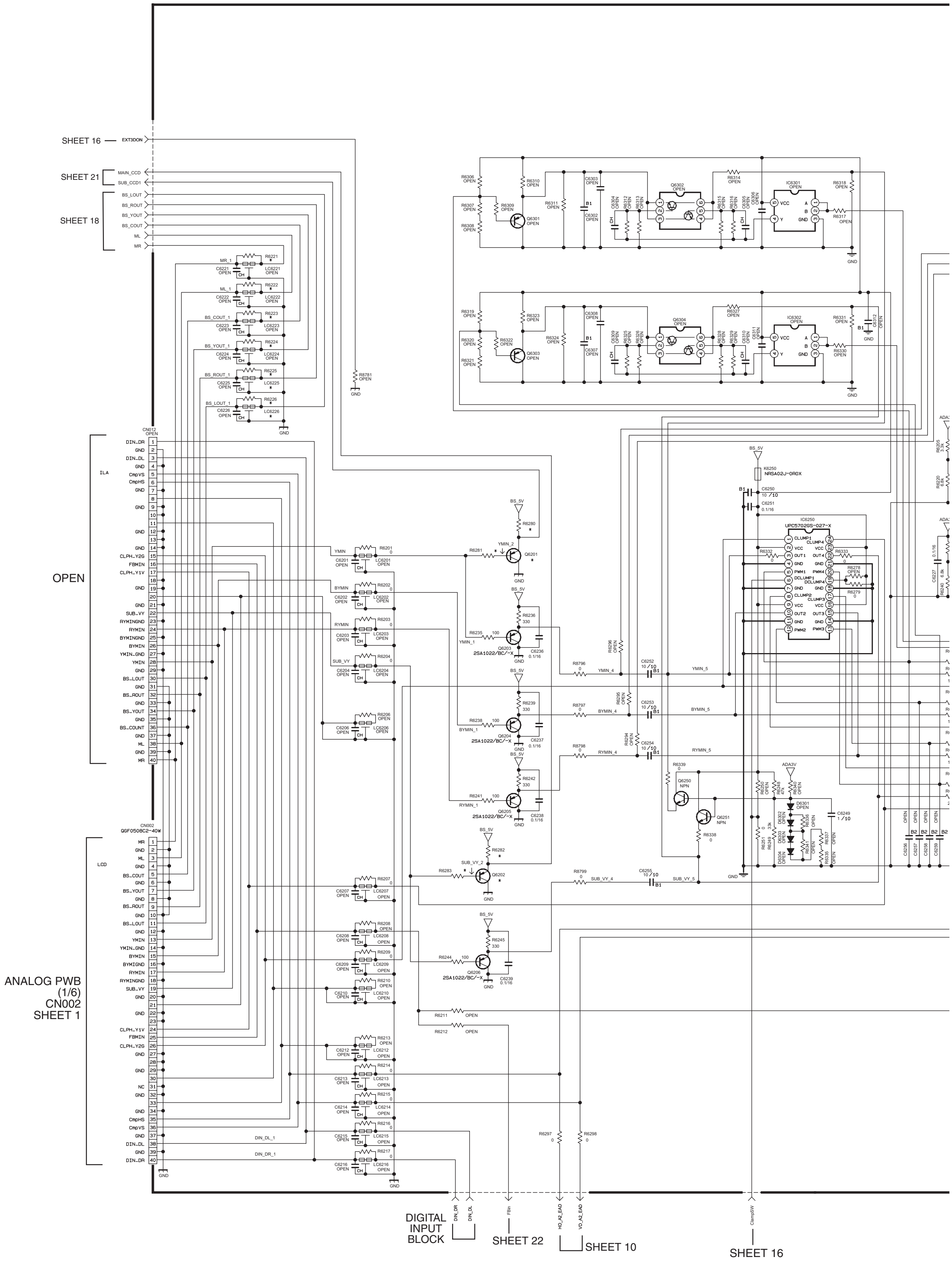
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

# DIGITAL PWB ASS'Y (4/16)
# SFL0D189A-M2 [LT-40X667/S]
# SFL0D186A-M2 [LT-40X787/S]
# SFL0D171A-M2 [LT-40X887/S]



DV1_R4
DV1_R5
DV1_R6
DV1_R7
RA6403
OPEN
C6440
OPEN
C6439
OPEN
RP4
RP5
RP6
RP7
VD
DGND
VCORE
DGND
RS0
RS1
RS2
RS3
RS4
RS5
RS6
RS7
C6438
OPEN
RA6402
OPEN
GP0
GP1
GP2
GP3
GP4
GP5
GP6
GP7
DV1_Y0
DV1_Y1
DV1_Y2
DV1_Y3
DV1_Y4
DV1_Y5
DV1_Y6
DV1_Y7
C6437
OPEN
GS0
GS1
GS2
GS3
GS4
GS5
GS6
GS7
C6436
OPEN
C6435
OPEN
RA6401
OPEN
BP0
BP1
BP2
BP3
BP4
BP5
BP6
BP7
DV1_B0
DV1_B1
DV1_B2
DV1_B3
DV1_B4
DV1_B5
DV1_B6
DV1_B7
C6434
OPEN
VREG IN
VREG OUT
C6433
OPEN
VCORE
DGND
VD
BS7
BS6
BS5
BS4
BS3
BS2
BS1
BS0
NC
L6404
OPEN
C6430
OPEN
C6431
OPEN
C6432
OPEN
GND
DV1_R[7-0]
DV1_Y[7-0]
DV1_B[7-0]
DV1_R0
DV1_R1
DV1_R2
DV1_R3
DV1_R4
DV1_R5
DV1_R6
DV1_R7
SHEET 2,12,18
DIGITAL INPUT BLOCK
SCL3A
SDA3A
RST_EAD
SHEET 7,8,9,17,16,19
DIGITAL INPUT BLOCK
SHEET 12

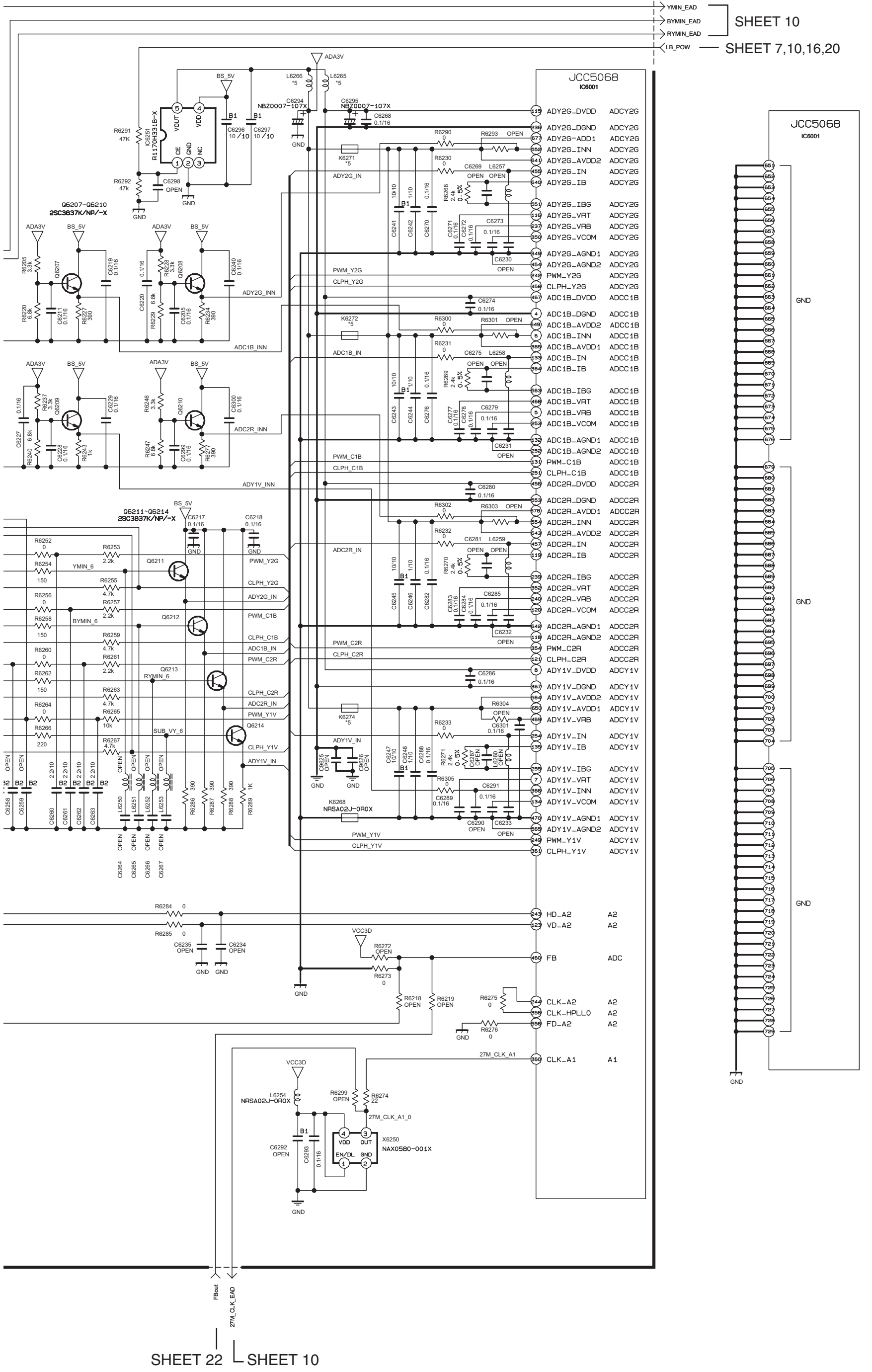
# *DIGITAL PWB CIRCUIT DIAGRAM (5/16) SHEET 11*


SHEET 16
EXT3DON
SHEET 21
MAIN_CCD
SUB_CCD1
SHEET 18
BS_LOUT
BS_ROUT
BS_YOUT
BS_COUT
ML
MR
OPEN
ILA
CN012 OPEN
DIN_DR
DIN_DL
CmpVS
CmpHS
CLPH_Y2G
FBMIN
CLPH_Y1V
SUB_VY
RYMINGND
RYMIN
BYMINGND
BYMIN
YMIN_GND
YMIN
BS_COUNT
GND
ANALOG PWB (1/6) CN002 SHEET 1
LCD
CN002
QGF0508C2-40W
MR_1
ML_1
BS_COUT_1
BS_YOUT_1
BS_ROUT_1
BS_LOUT_1
R8781 OPEN
Q6301 OPEN
Q6302 OPEN
IC6301 OPEN
Q6303 OPEN
Q6304 OPEN
IC6302 OPEN
VCC
BS_5V
K6250
NRSA02J-0R0X
IC6250
UPC5702GS-027-X
CLUMP1
CLUMP4
OUT1
OUT4
PWM1
PWM4
DCLUMP1
DCLUMP4
CLUMP2
CLUMP3
OUT2
OUT3
PWM2
PWM3
Q6201
Q6202
Q6203
2SA1022/BC/-X
Q6204
2SA1022/BC/-X
Q6205
2SA1022/BC/-X
Q6206
2SA1022/BC/-X
YMIN_2
YMIN_1
BYMIN_1
RYMIN_1
SUB_VY_2
YMIN_4
YMIN_5
BYMIN_4
BYMIN_5
RYMIN_4
RYMIN_5
SUB_VY_4
SUB_VY_5
Q6250 NPN
Q6251 NPN
ADA3V
D6301 OPEN
DIN_DL_1
DIN_DR_1
R6211 OPEN
R6212 OPEN
R6297 0
R6298 0
DIGITAL INPUT BLOCK
DIN_DR
DIN_DL
FBin
SHEET 22
HD_A2_EAD
VD_A2_EAD
SHEET 10
ClampSW
SHEET 16

# DIGITAL PWB ASS'Y (5/16)
# SFL0D189A-M2 [LT-40X667/S]
# SFL0D186A-M2 [LT-40X787/S]
# SFL0D171A-M2 [LT-40X887/S]

* DIFFERENCE LIST

| TYPE | LCD | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | JPN | | | US | | | | | |
| MODEL | LT-46LH800 | LT-37LC85 | LT-26LC80 | LT-40X887<br>/X787 | LT-37X887<br>/X787/X667 | LT-32X887<br>/X787 | LT-32XM57 | LT-46FH97<br>/40FH97 | LT-46FN97<br>/40FN97 |
| ASSY NO. | SFL-0D071A | SFL-0D072A | SFL-0D074A | SFL-0D171A<br>etc | SFL-0D172A<br>etc | SFL-0D173A<br>175,178A etc | SFL-0D180A | SFL-0D182A<br>etc | SFL-0D184A<br>etc |
| | 0LLC10547 | 0LLC10547<br>-02 | 0LLC10547<br>-04 | 0LLC10547<br>-05 etc | 0LLC10547<br>-06 etc | 0LLC10547<br>-07 etc | 0LLC10547<br>-14 | 0LLC10547<br>-16 etc | 0LLC10547<br>-18 etc |
| Q6201 | OPEN | OPEN | OPEN | PNP | PNP | PNP | PNP | PNP | PNP |
| Q6202 | OPEN | OPEN | OPEN | PNP | PNP | PNP | PNP | PNP | PNP |
| LC6225 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | NQR0470-007X | NQR0470-007X |
| LC6226 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | NQR0470-007X | NQR0470-007X |
| R6221 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R6222 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R6223 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | 0 | 0 |
| R6224 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | 0 | 0 |
| R6225 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R6226 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R6280 | OPEN | OPEN | OPEN | 330 | 330 | 330 | 330 | 330 | 330 |
| R6281 | OPEN | OPEN | OPEN | 100 | 100 | 100 | 100 | 100 | 100 |
| R6282 | OPEN | OPEN | OPEN | 330 | 330 | 330 | 330 | 330 | 330 |
| R6283 | OPEN | OPEN | OPEN | 100 | 100 | 100 | 100 | 100 | 100 |


YMIN_EAD
BYMIN_EAD
RYMIN_EAD
LB_POW
SHEET 10
SHEET 7,10,16,20
JCC5068
IC6001
ADA3V
BS_5V
Q6207-Q6210
2SC3837K/NP/-X
Q6211-Q6214
2SC3837K/NP/-X
NBZ0007-107X
NRSA02J-0R0X
NAX0580-001X
X6250
27M_CLK_A1
HD_A2
VD_A2
FB
CLK_A2
CLK_HPLL0
FD_A2
CLK_A1
GND
FBout
27M_CLK_EAD
SHEET 22
SHEET 10

ASSY NO. - MODEL LIST

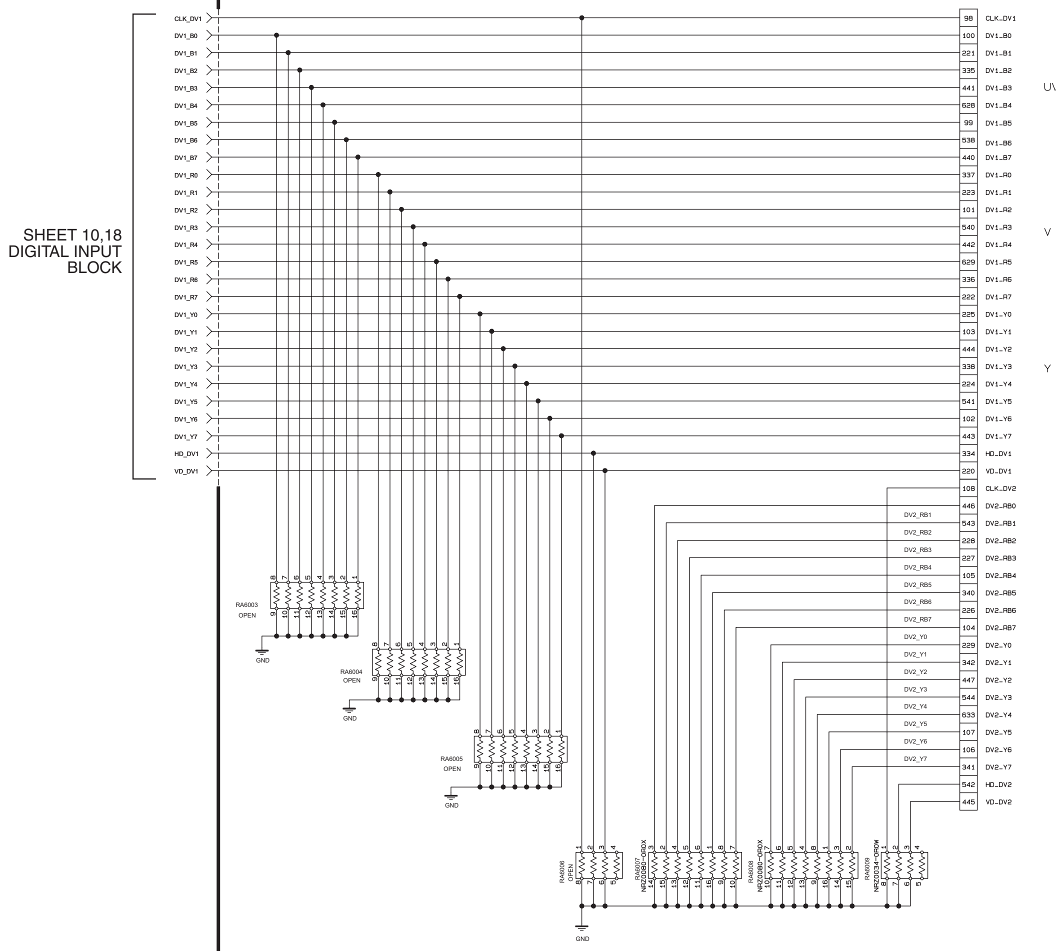
| | | |
|---|---|---|
| SFL-0D071A (LCA10708-51A) | ··· | LT-46LH800A |
| SFL-0D072A (LCA10708-52A) | ··· | LT-37LC85A |
| SFL-0D074A (LCA10708-54A) | ··· | LT-26LC80A |
| SFL-0D171A (LCA10708-55A) | ··· | LT-40X887SA |
| SFL-0D186A (LCA10708-70A) | ··· | LT-40X787SA |
| SFL-0D172A (LCA10708-56A) | ··· | LT-37X887ZA |
| SFL-0D174A (LCA10708-58A) | ··· | LT-37X787ZA |
| SFL-0D173A (LCA10708-57A) | ··· | LT-32X887ZA |
| SFL-0D175A (LCA10708-59A) | ··· | LT-32X787ZA |
| SFL-0D178A (LCA10708-62A) | ··· | LT-32X667ZA |
| SFL-0D180A (LCA10708-64A) | ··· | LT-32XM57ZA |
| SFL-0D182A (LCA10708-66A) | ··· | LT-46FH97SA |
| SFL-0D183A (LCA10708-67A) | ··· | LT-40FH97SA |
| SFL-0D184A (LCA10708-68A) | ··· | LT-46FN97SA |
| SFL-0D185A (LCA10708-69A) | ··· | LT-40FN97SA |

NOTE.

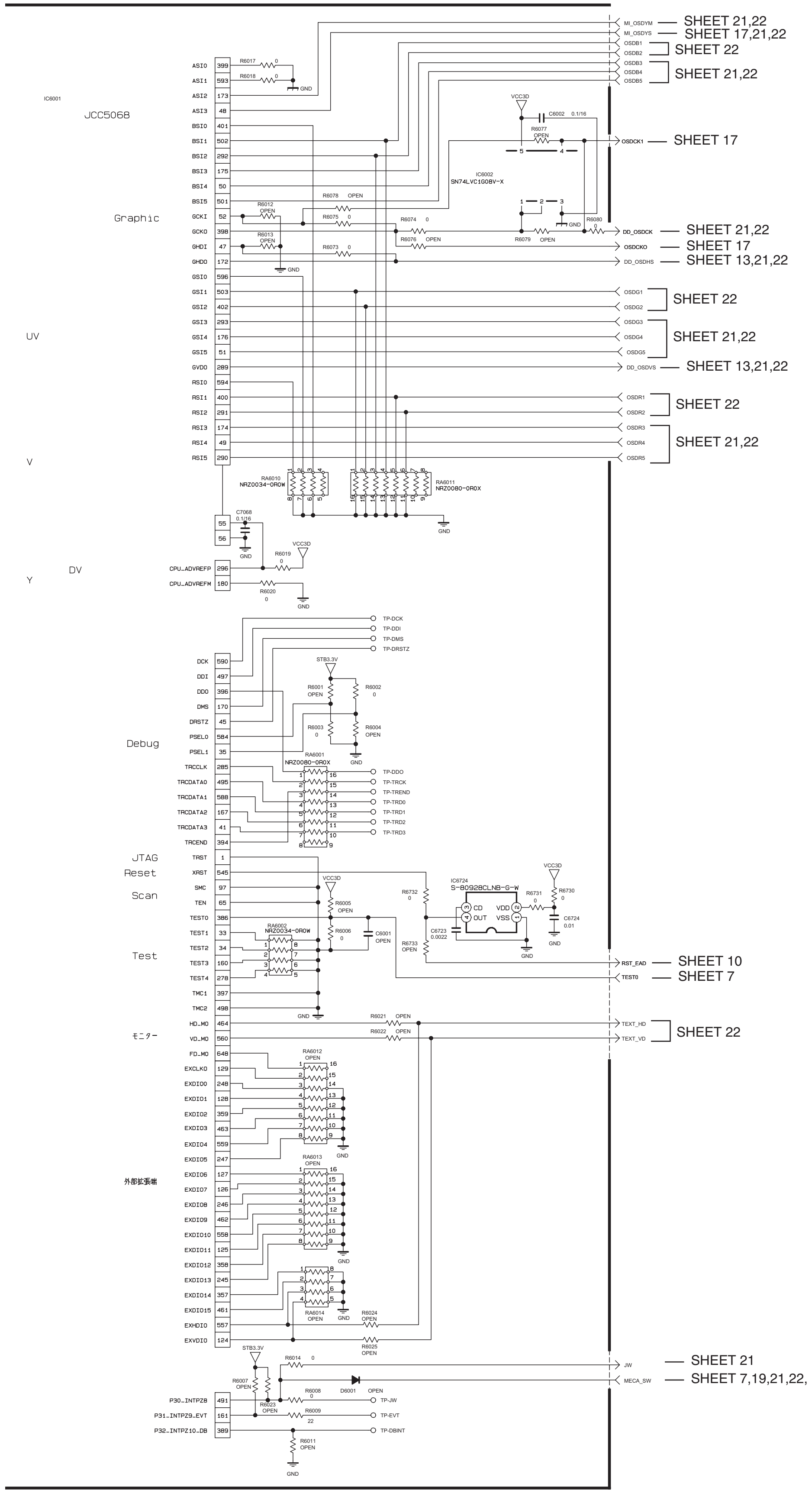
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

c10463001a001_0425_1/17_0.0

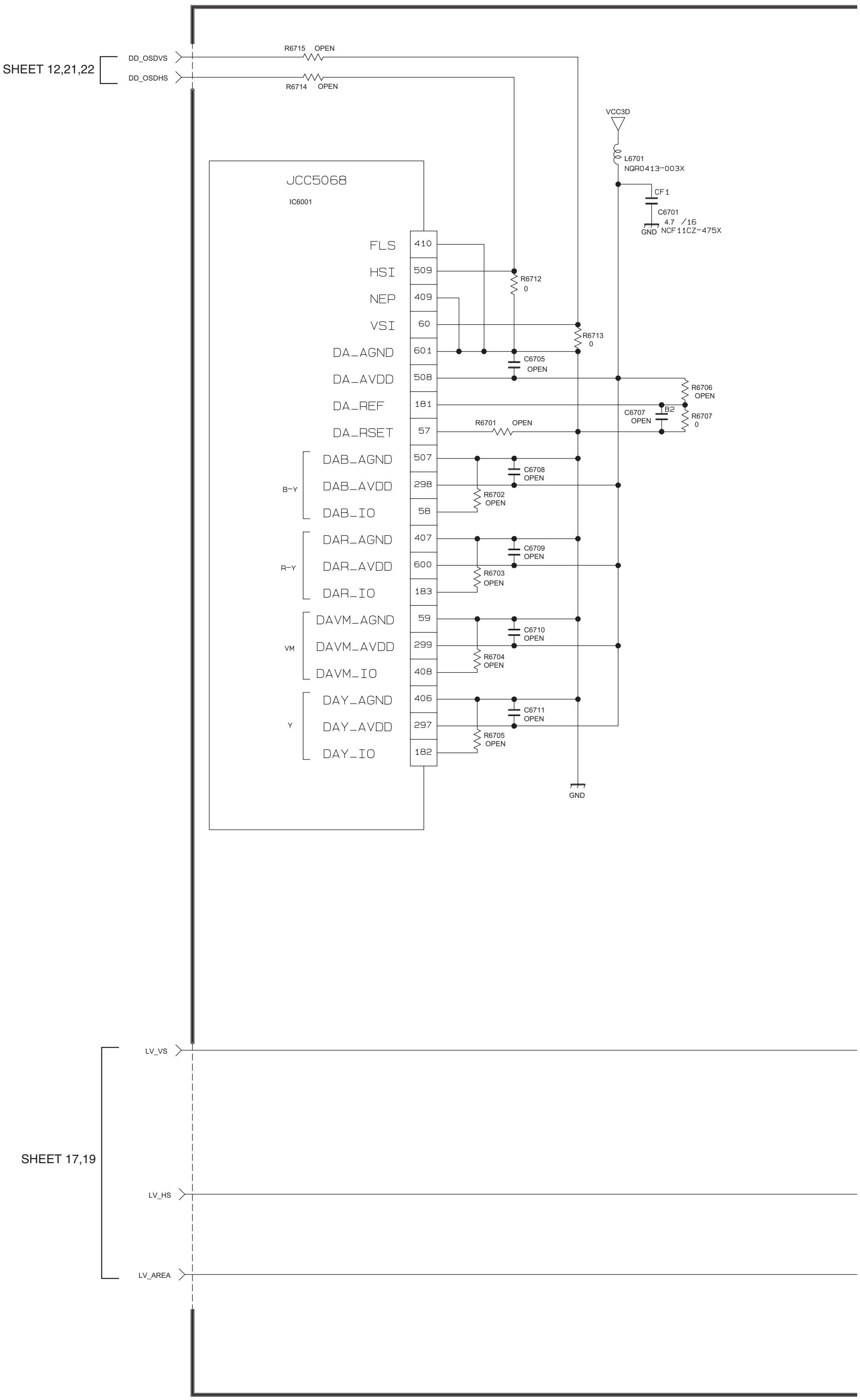
# DIGITAL PWB ASS'Y (6/16)
SFL0D189A-M2 [LT-40X667/S]
SFL0D186A-M2 [LT-40X787/S]
SFL0D171A-M2 [LT-40X887/S]


SHEET 10,18
DIGITAL INPUT
BLOCK
CLK_DV1
DV1_B0
DV1_B1
DV1_B2
DV1_B3
DV1_B4
DV1_B5
DV1_B6
DV1_B7
DV1_R0
DV1_R1
DV1_R2
DV1_R3
DV1_R4
DV1_R5
DV1_R6
DV1_R7
DV1_Y0
DV1_Y1
DV1_Y2
DV1_Y3
DV1_Y4
DV1_Y5
DV1_Y6
DV1_Y7
HD_DV1
VD_DV1
98 CLK_DV1
100 DV1_B0
221 DV1_B1
335 DV1_B2
441 DV1_B3
628 DV1_B4
99 DV1_B5
538 DV1_B6
440 DV1_B7
337 DV1_R0
223 DV1_R1
101 DV1_R2
540 DV1_R3
442 DV1_R4
629 DV1_R5
336 DV1_R6
222 DV1_R7
225 DV1_Y0
103 DV1_Y1
444 DV1_Y2
338 DV1_Y3
224 DV1_Y4
541 DV1_Y5
102 DV1_Y6
443 DV1_Y7
334 HD_DV1
220 VD_DV1
108 CLK_DV2
446 DV2_RB0
543 DV2_RB1
228 DV2_RB2
227 DV2_RB3
105 DV2_RB4
340 DV2_RB5
226 DV2_RB6
104 DV2_RB7
229 DV2_Y0
342 DV2_Y1
447 DV2_Y2
544 DV2_Y3
633 DV2_Y4
107 DV2_Y5
106 DV2_Y6
341 DV2_Y7
542 HD_DV2
445 VD_DV2
DV2_RB1
DV2_RB2
DV2_RB3
DV2_RB4
DV2_RB5
DV2_RB6
DV2_RB7
DV2_Y0
DV2_Y1
DV2_Y2
DV2_Y3
DV2_Y4
DV2_Y5
DV2_Y6
DV2_Y7
U\
V
Y
RA6003
OPEN
RA6004
OPEN
RA6005
OPEN
RA6006
OPEN
RA6007
NRZ0080-0R0X
RA6008
NRZ0080-0R0X
RA6009
NRZ0034-0R0W
GND
GND
GND
GND

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X


IC6001
JCC5068
Graphic
UV
V
Y
DV
Debug
JTAG
Reset
Scan
Test
モニター
外部拡張端
MI_OSDYM
MI_OSDYS
SHEET 21,22
SHEET 17,21,22
OSDB1
OSDB2
SHEET 22
OSDB3
OSDB4
OSDB5
SHEET 21,22
OSDCK1
SHEET 17
DD_OSDCK
SHEET 21,22
OSDCKO
SHEET 17
DD_OSDHS
SHEET 13,21,22
OSDG1
OSDG2
SHEET 22
OSDG3
OSDG4
OSDG5
SHEET 21,22
DD_OSDVS
SHEET 13,21,22
OSDR1
OSDR2
SHEET 22
OSDR3
OSDR4
OSDR5
SHEET 21,22
IC6002
SN74LVC1G08V-X
VCC3D
C6002 0.1/16
R6077 OPEN
R6080 0
R6079 OPEN
R6078 OPEN
R6075 0
R6074 0
R6076 OPEN
R6073 0
R6012 OPEN
R6013 OPEN
R6017 0
R6018 0
GND
ASI0 399
ASI1 593
ASI2 173
ASI3 48
BSI0 401
BSI1 502
BSI2 292
BSI3 175
BSI4 50
BSI5 501
GCKI 52
GCKO 398
GHDI 47
GHDO 172
GSI0 596
GSI1 503
GSI2 402
GSI3 293
GSI4 176
GSI5 51
GVDO 289
RSI0 594
RSI1 400
RSI2 291
RSI3 174
RSI4 49
RSI5 290
RA6010
NRZ0034-0R0W
RA6011
NRZ0080-0R0X
C7068 0.1/16
55
56
CPU_ADVREFP 296
CPU_ADVREFM 180
R6019 0
R6020 0
TP-DCK
TP-DDI
TP-DMS
TP-DRSTZ
DCK 590
DDI 497
DDO 396
DMS 170
DRSTZ 45
PSEL0 584
PSEL1 35
TRCCLK 285
TRCDATA0 495
TRCDATA1 588
TRCDATA2 167
TRCDATA3 41
TRCEND 394
STB3.3V
R6001 OPEN
R6002 0
R6003 0
R6004 OPEN
RA6001
NRZ0080-0R0X
TP-DDO
TP-TRCK
TP-TREND
TP-TRD0
TP-TRD1
TP-TRD2
TP-TRD3
TRST 1
XRST 545
SMC 97
TEN 65
TEST0 386
TEST1 33
TEST2 34
TEST3 160
TEST4 278
TMC1 397
TMC2 498
RA6002
NRZ0034-0R0W
R6005 OPEN
R6006 0
C6001 OPEN
R6732 0
R6733 OPEN
C6723 0.0022
IC6724
S-80928CLNB-G-W
CD
OUT
VDD
VSS
R6731 0
R6730 0
C6724 0.01
RST_EAD
SHEET 10
TEST0
SHEET 7
HD_MO 464
VD_MO 560
FD_MO 648
R6021 OPEN
R6022 OPEN
TEXT_HD
TEXT_VD
SHEET 22
EXCLKO 129
EXDIO0 248
EXDIO1 128
EXDIO2 359
EXDIO3 463
EXDIO4 559
EXDIO5 247
EXDIO6 127
EXDIO7 126
EXDIO8 246
EXDIO9 462
EXDIO10 558
EXDIO11 125
EXDIO12 358
EXDIO13 245
EXDIO14 357
EXDIO15 461
EXHDIO 557
EXVDIO 124
RA6012 OPEN
RA6013 OPEN
RA6014 OPEN
R6024 OPEN
R6025 OPEN
R6014 0
JW
SHEET 21
MECA_SW
SHEET 7,19,21,22,
D6001
R6007 OPEN
R6023 OPEN
R6008 0
R6009 22
R6011 OPEN
P30_INTPZ8 491
P31_INTPZ9_EVT 161
P32_INTPZ10_DB 389
TP-JW
TP-EVT
TP-DBINT

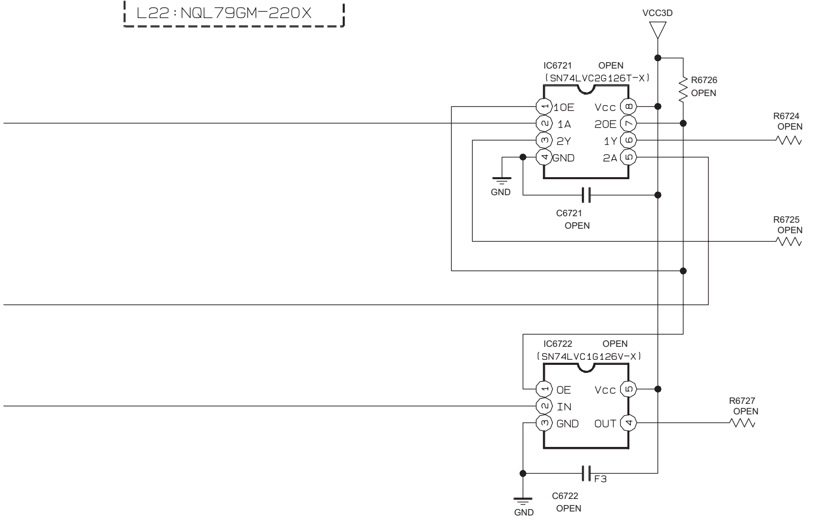
# *DIGITAL PWB CIRCUIT DIAGRAM (7/16) SHEET 13*


SHEET 12,21,22
DD_OSDVS
DD_OSDHS
R6715 OPEN
R6714 OPEN
VCC3D
L6701
NQR0413-003X
CF1
C6701
4.7 /16
GND
NCF11CZ-475X
JCC5068
IC6001
FLS 410
HSI 509
NEP 409
VSI 60
DA_AGND 601
DA_AVDD 508
DA_REF 181
DA_RSET 57
DAB_AGND 507
DAB_AVDD 298
DAB_IO 58
DAR_AGND 407
DAR_AVDD 600
DAR_IO 183
DAVM_AGND 59
DAVM_AVDD 299
DAVM_IO 408
DAY_AGND 406
DAY_AVDD 297
DAY_IO 182
B-Y
R-Y
VM
Y
R6712
0
R6713
0
C6705
OPEN
R6706
OPEN
C6707
OPEN
B2
R6707
0
R6701 OPEN
C6708
OPEN
R6702
OPEN
C6709
OPEN
R6703
OPEN
C6710
OPEN
R6704
OPEN
C6711
OPEN
R6705
OPEN
GND
LV_VS
SHEET 17,19
LV_HS
LV_AREA

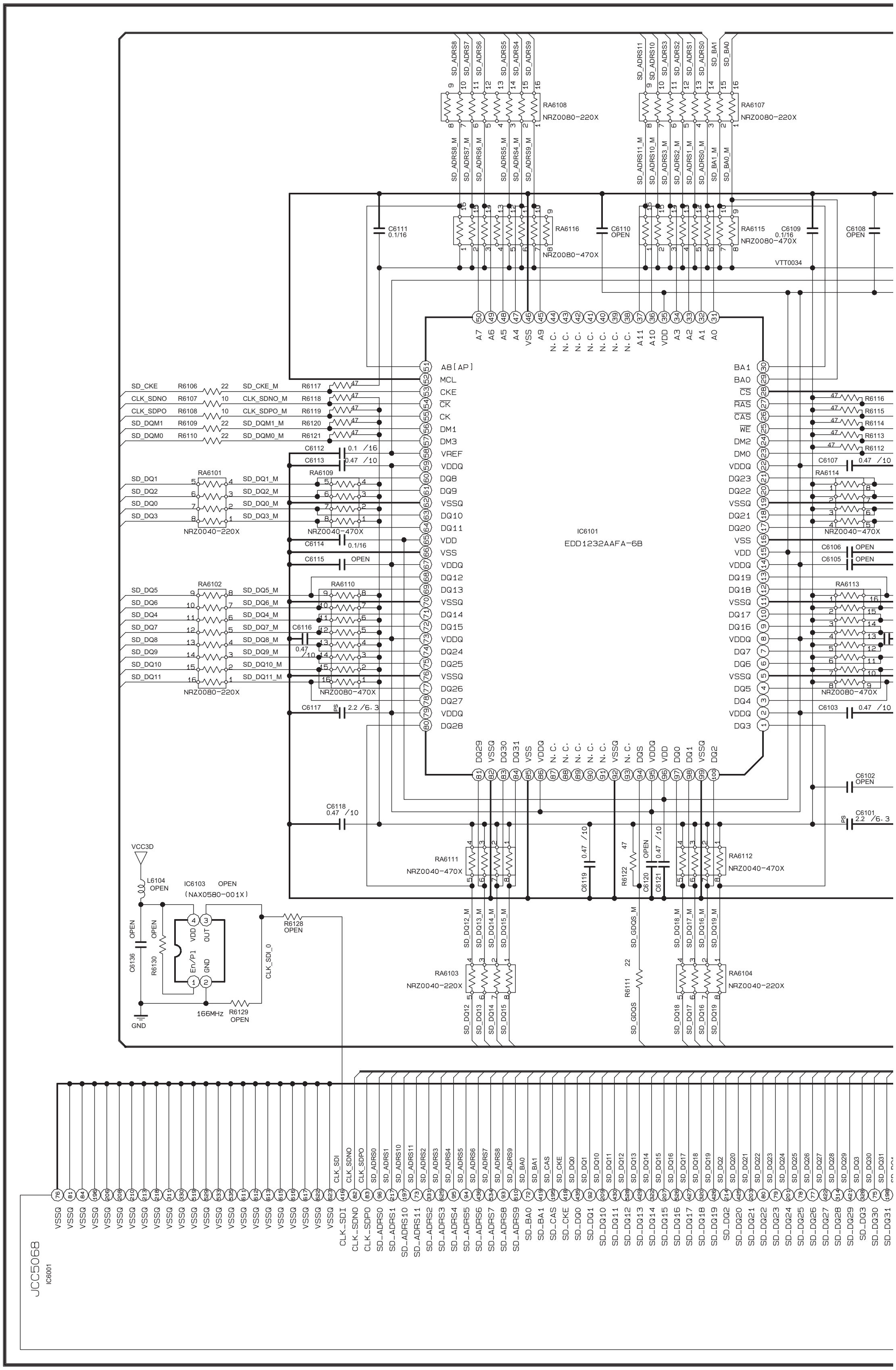
# DIGITAL PWB ASS'Y (7/16)
SFL0D189A-M2 [LT-40X667/S]
SFL0D186A-M2 [LT-40X787/S]
SFL0D171A-M2 [LT-40X887/S]

NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

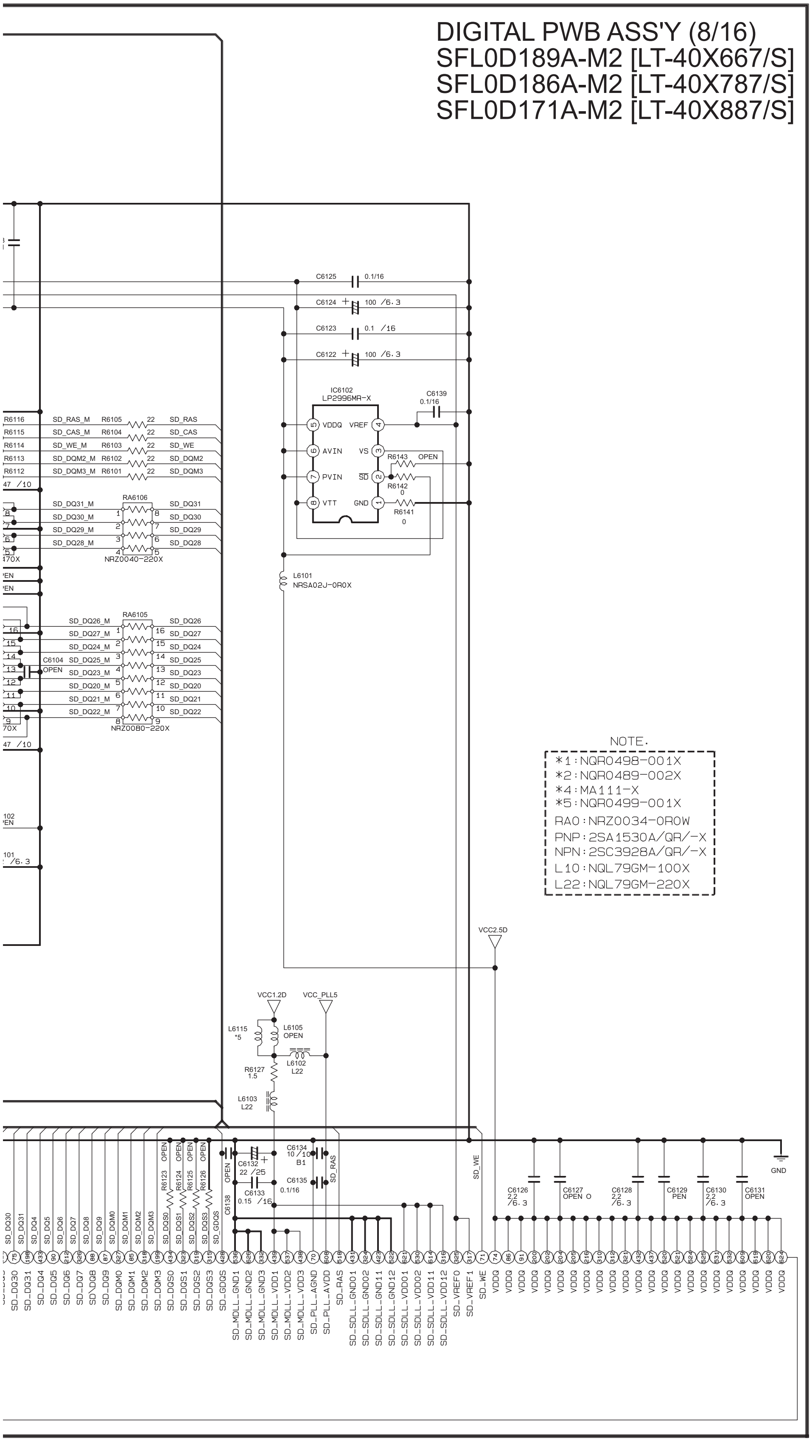

VCC3D
IC6721 OPEN
(SN74LVC2G126T-X)
R6726
OPEN
1 1OE
2 1A
3 2Y
4 GND
Vcc 8
2OE 7
1Y 6
2A 5
R6724
OPEN
GND
C6721
OPEN
R6725
OPEN
IC6722 OPEN
(SN74LVC1G126V-X)
1 OE
2 IN
3 GND
Vcc 5
OUT 4
R6727
OPEN
F3
C6722
OPEN
GND

# *DIGITAL PWB CIRCUIT DIAGRAM (8/16) SHEET 14*



IC6101
EDD1232AAFA-6B
RA6108
NRZ0080-220X
RA6107
NRZ0080-220X
RA6116
NRZ0080-470X
RA6115
NRZ0080-470X
C6111
0.1/16
C6110
OPEN
C6109
0.1/16
C6108
OPEN
VTT0034
SD_ADRS8
SD_ADRS7
SD_ADRS6
SD_ADRS5
SD_ADRS4
SD_ADRS9
SD_ADRS11
SD_ADRS10
SD_ADRS3
SD_ADRS2
SD_ADRS1
SD_ADRS0
SD_BA1
SD_BA0
SD_CKE
CLK_SDNO
CLK_SDPO
SD_DQM1
SD_DQM0
R6106
R6107
R6108
R6109
R6110
R6117
R6118
R6119
R6120
R6121
SD_CKE_M
CLK_SDNO_M
CLK_SDPO_M
SD_DQM1_M
SD_DQM0_M
C6112
0.1 /16
C6113
0.47 /10
RA6101
RA6109
NRZ0040-220X
NRZ0040-470X
C6114
0.1/16
C6115
OPEN
RA6102
RA6110
NRZ0080-220X
NRZ0080-470X
C6116
0.47 /10
C6117
2.2 /6.3
A8[AP]
MCL
CKE
CK
DM1
DM3
VREF
VDDQ
DQ8
DQ9
VSSQ
DQ10
DQ11
VDD
VSS
DQ12
DQ13
DQ14
DQ15
DQ24
DQ25
DQ26
DQ27
DQ28
BA1
BA0
CS
RAS
CAS
WE
DM2
DM0
DQ23
DQ22
DQ21
DQ20
DQ19
DQ18
DQ17
DQ16
DQ7
DQ6
DQ5
DQ4
DQ3
A7
A6
A5
A4
A9
N.C.
A11
A10
A3
A2
A1
A0
DQ29
DQ30
DQ31
DQS
DQ0
DQ1
DQ2
R6116
R6115
R6114
R6113
R6112
C6107
0.47 /10
RA6114
C6106
OPEN
C6105
OPEN
RA6113
C6103
0.47 /10
C6102
OPEN
C6101
2.2 /6.3
C6118
0.47 /10
RA6111
NRZ0040-470X
C6119
0.47 /10
R6122
47
C6120
OPEN
C6121
0.47 /10
RA6112
NRZ0040-470X
RA6103
NRZ0040-220X
RA6104
NRZ0040-220X
R6111
22
SD_GDQS_M
SD_GDQS
VCC3D
L6104
OPEN
IC6103
OPEN
(NAX0580-001X)
VDD
OUT
En/P1
GND
C6136
OPEN
R6130
OPEN
R6128
OPEN
CLK_SDI_0
166MHz
R6129
OPEN
GND
JCC5068
IC6001
VSSQ
CLK_SDI
CLK_SDNO
CLK_SDPO
SD_CAS
SD_CKE
SD_DQ0
SD_DQ1

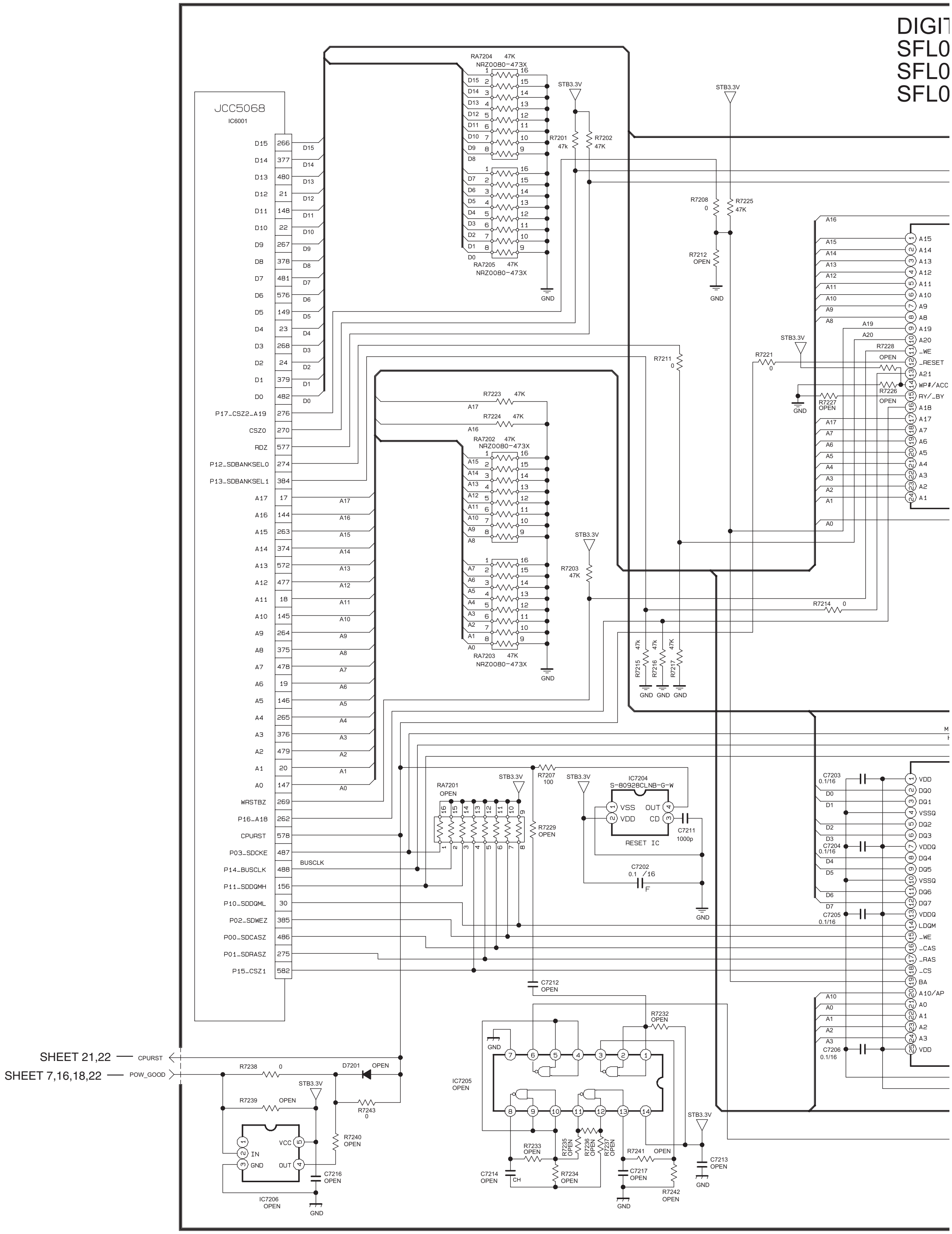
# DIGITAL PWB ASS'Y (8/16)
SFL0D189A-M2 [LT-40X667/S]
SFL0D186A-M2 [LT-40X787/S]
SFL0D171A-M2 [LT-40X887/S]


C6125 0.1/16
C6124 100 /6.3
C6123 0.1 /16
C6122 100 /6.3
IC6102
LP2996MR-X
VDDQ
AVIN
PVIN
VTT
VREF
VS
SD
GND
C6139 0.1/16
R6143 OPEN
R6142 0
R6141 0
L6101
NRSA02J-0R0X
R6116 SD_RAS_M R6105 22 SD_RAS
R6115 SD_CAS_M R6104 22 SD_CAS
R6114 SD_WE_M R6103 22 SD_WE
R6113 SD_DQM2_M R6102 22 SD_DQM2
R6112 SD_DQM3_M R6101 22 SD_DQM3
47 /10
RA6106
SD_DQ31_M SD_DQ31
SD_DQ30_M SD_DQ30
SD_DQ29_M SD_DQ29
SD_DQ28_M SD_DQ28
NRZ0040-220X
RA6105
SD_DQ26_M SD_DQ26
SD_DQ27_M SD_DQ27
SD_DQ24_M SD_DQ24
SD_DQ25_M SD_DQ25
SD_DQ23_M SD_DQ23
SD_DQ20_M SD_DQ20
SD_DQ21_M SD_DQ21
SD_DQ22_M SD_DQ22
NRZ0080-220X
C6104 OPEN
VCC2.5D
VCC1.2D
VCC_PLL5
L6115 *5
L6105 OPEN
L6102 L22
R6127 1.5
L6103 L22
C6132 22 /25
C6133 0.15 /16
C6134 10 /10 B1
C6135 0.1/16
C6138 OPEN
R6123 OPEN
R6124 OPEN
R6125 OPEN
R6126 OPEN
C6126 2.2 /6.3
C6127 OPEN
C6128 2.2 /6.3
C6129 OPEN
C6130 2.2 /6.3
C6131 OPEN
GND
SD_DQ30 SD_DQ31 SD_DQ4 SD_DQ5 SD_DQ6 SD_DQ7 SD_DQ8 SD_DQ9 SD_DQM0 SD_DQM1 SD_DQM2 SD_DQM3 SD_DQS0 SD_DQS1 SD_DQS2 SD_DQS3 SD_GDQS
SD_MDLL_GND1 SD_MDLL_GND2 SD_MDLL_GND3 SD_MDLL_VDD1 SD_MDLL_VDD2 SD_MDLL_VDD3 SD_PLL_AGND SD_PLL_AVDD SD_RAS SD_SDLL_GND01 SD_SDLL_GND02 SD_SDLL_GND11 SD_SDLL_GND12 SD_SDLL_VDD01 SD_SDLL_VDD02 SD_SDLL_VDD11 SD_SDLL_VDD12 SD_VREF0 SD_VREF1 SD_WE VDDQ

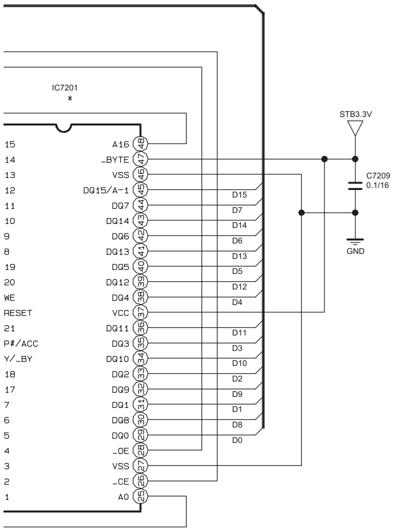
NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

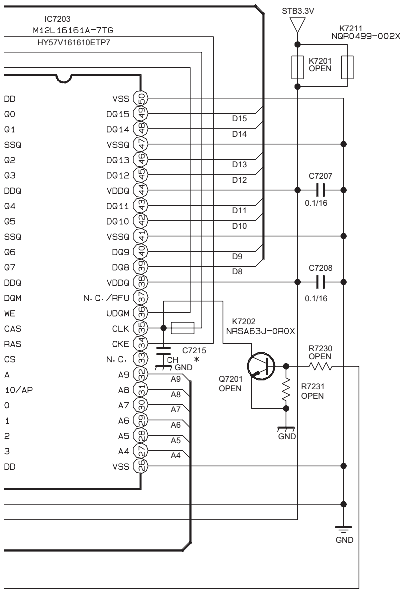
c10463001a003_0425_3/17_0.0

# *DIGITAL PWB CIRCUIT DIAGRAM (9/16) SHEET 15*


DIGIT
SFL0
SFL0
SFL0
JCC5068
IC6001
D15 266
D14 377
D13 480
D12 21
D11 148
D10 22
D9 267
D8 378
D7 481
D6 576
D5 149
D4 23
D3 268
D2 24
D1 379
D0 482
P17_CSZ2_A19 276
CSZ0 270
RDZ 577
P12_SDBANKSEL0 274
P13_SDBANKSEL1 384
A17 17
A16 144
A15 263
A14 374
A13 572
A12 477
A11 18
A10 145
A9 264
A8 375
A7 478
A6 19
A5 146
A4 265
A3 376
A2 479
A1 20
A0 147
WRSTBZ 269
P16_A18 262
CPURST 578
P03_SDCKE 487
P14_BUSCLK 488
P11_SDDQMH 156
P10_SDDQML 30
P02_SDWEZ 385
P00_SDCASZ 486
P01_SDRASZ 275
P15_CSZ1 582
BUSCLK
RA7204 47K
NRZ00B0-473X
RA7205 47K
NRZ00B0-473X
RA7202 47K
NRZ00B0-473X
RA7203 47K
NRZ00B0-473X
RA7201
OPEN
STB3.3V
R7201 47k
R7202 47K
R7203 47K
R7207 100
R7208 0
R7225 47K
R7212 OPEN
R7211 0
R7221 0
R7228 OPEN
R7226 OPEN
R7227 OPEN
R7223 47K
R7224 47K
R7214 0
R7215 47K
R7216 47K
R7217 47K
R7229 OPEN
GND
A15 A14 A13 A12 A11 A10 A9 A8 A19 A20 _WE _RESET A21 WP#/ACC RY/_BY A18 A17 A7 A6 A5 A4 A3 A2 A1
IC7204
S-80928CLNB-G-W
VSS OUT VDD CD
RESET IC
C7211 1000p
C7202 0.1 /16 F
C7203 0.1/16
C7204 0.1/16
C7205 0.1/16
C7206 0.1/16
VDD DQ0 DQ1 VSSQ DQ2 DQ3 VDDQ DQ4 DQ5 VSSQ DQ6 DQ7 VDDQ LDQM _WE _CAS _RAS _CS BA A10/AP A0 A1 A2 A3 VDD
C7212 OPEN
R7232 OPEN
IC7205 OPEN
R7233 OPEN
R7235 OPEN
R7236 OPEN
R7237 OPEN
R7234 OPEN
R7241 OPEN
R7242 OPEN
C7214 OPEN
CH
C7217 OPEN
C7213 OPEN
SHEET 21,22
CPURST
SHEET 7,16,18,22
POW_GOOD
R7238 0
D7201 OPEN
R7239 OPEN
R7243 0
R7240 OPEN
C7216 OPEN
IN VCC GND OUT
IC7206 OPEN

# GITAL PWB ASS'Y (9/16)
# L0D189A-M2 [LT-40X667/S]
# L0D186A-M2 [LT-40X787/S]
# L0D171A-M2 [LT-40X887/S]


IC7201
*
15 A16 48
14 _BYTE 47
13 VSS 46
12 DQ15/A-1 45
11 DQ7 44
10 DQ14 43
9 DQ6 42
8 DQ13 41
19 DQ5 40
20 DQ12 39
WE DQ4 38
RESET VCC 37
21 DQ11 36
P#/ACC DQ3 35
Y/_BY DQ10 34
18 DQ2 33
17 DQ9 32
7 DQ1 31
6 DQ8 30
5 DQ0 29
4 _OE 28
3 VSS 27
2 _CE 26
1 A0 25
D15
D7
D14
D6
D13
D5
D12
D4
D11
D3
D10
D2
D9
D1
D8
D0
STB3.3V
C7209
0.1/16
GND


IC7203
M12L16161A-7TG
HY57V161610ETP7
DD VSS 50
Q0 DQ15 49
Q1 DQ14 48
SSQ VSSQ 47
Q2 DQ13 46
Q3 DQ12 45
DDQ VDDQ 44
Q4 DQ11 43
Q5 DQ10 42
SSQ VSSQ 41
Q6 DQ9 40
Q7 DQ8 39
DDQ VDDQ 38
DQM N.C./RFU 37
WE UDQM 36
CAS CLK 35
RAS CKE 34
CS N.C. 33
A A9 32
10/AP A8 31
0 A7 30
1 A6 29
2 A5 28
3 A4 27
DD VSS 26
D15
D14
D13
D12
D11
D10
D9
D8
A9
A8
A7
A6
A5
A4
STB3.3V
K7211
NQR0499-002X
K7201
OPEN
C7207
0.1/16
C7208
0.1/16
K7202
NRSA63J-0R0X
C7215
CH
*
GND
R7230
OPEN
Q7201
OPEN
R7231
OPEN
GND
GND

## * DIFFERENCE LIST

| TYPE | LCD | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | JPN | | | US | | | | | |
| MODEL | LT-46LH800 | LT-37LC85 | LT-26LC80 | LT-40X887 /X787 | LT-37X887 /X787/X667 | LT-32X887 /X787 | LT-32XM57 | LT-46FH97 /40FH97 | LT-46FN97 /40FN97 |
| ASSY NO. | SFL-0D071A | SFL-0D072A | SFL-0D074A | SFL-0D171A etc | SFL-0D172A etc | SFL-0D173A 175A,178A etc | SFL-0D180A | SFL-0D182A etc | SFL-0D184A etc |
| | 0LLC10547 | 0LLC10547 -02 | 0LLC10547 -04 | 0LLC10547 -05 etc | 0LLC10547 -06 etc | 0LLC10547 -07 etc | 0LLC10547 -14 | 0LLC10547 -16 etc | 0LLC10547 -18 etc |
| IC7201 | 39VF641B7 IEKD05 | 39VF641B7 IEKD06 | 39VF641B7 IEKD04 | 39VF800A7 IEKD80 | 39VF800A7 IEKD79 | 39VF800A7 IEKDB6 | 39VF800A7 IEKDB6 | 39VF800A7 IEKD83 | 39VF800A7 IEKD83 |
| C7215 | OPEN | OPEN | OPEN | 33p | 33p | 33p | 33p | 33p | 33p |

### ASSY NO. - MODEL LIST

SFL-0D071A (LCA10708-51A) ··· LT-46LH800A
SFL-0D072A (LCA10708-52A) ··· LT-37LC85A
SFL-0D074A (LCA10708-54A) ··· LT-26LC80A

SFL-0D171A (LCA10708-55A) ··· LT-40X887SA
SFL-0D186A (LCA10708-70A) ··· LT-40X787SA

SFL-0D172A (LCA10708-56A) ··· LT-37X887ZA
SFL-0D174A (LCA10708-58A) ··· LT-37X787ZA

SFL-0D173A (LCA10708-57A) ··· LT-32X887ZA
SFL-0D175A (LCA10708-59A) ··· LT-32X787ZA
SFL-0D178A (LCA10708-62A) ··· LT-32X667ZA

SFL-0D180A (LCA10708-64A) ··· LT-32XM57ZA

SFL-0D182A (LCA10708-66A) ··· LT-46FH97SA
SFL-0D183A (LCA10708-67A) ··· LT-40FH97SA

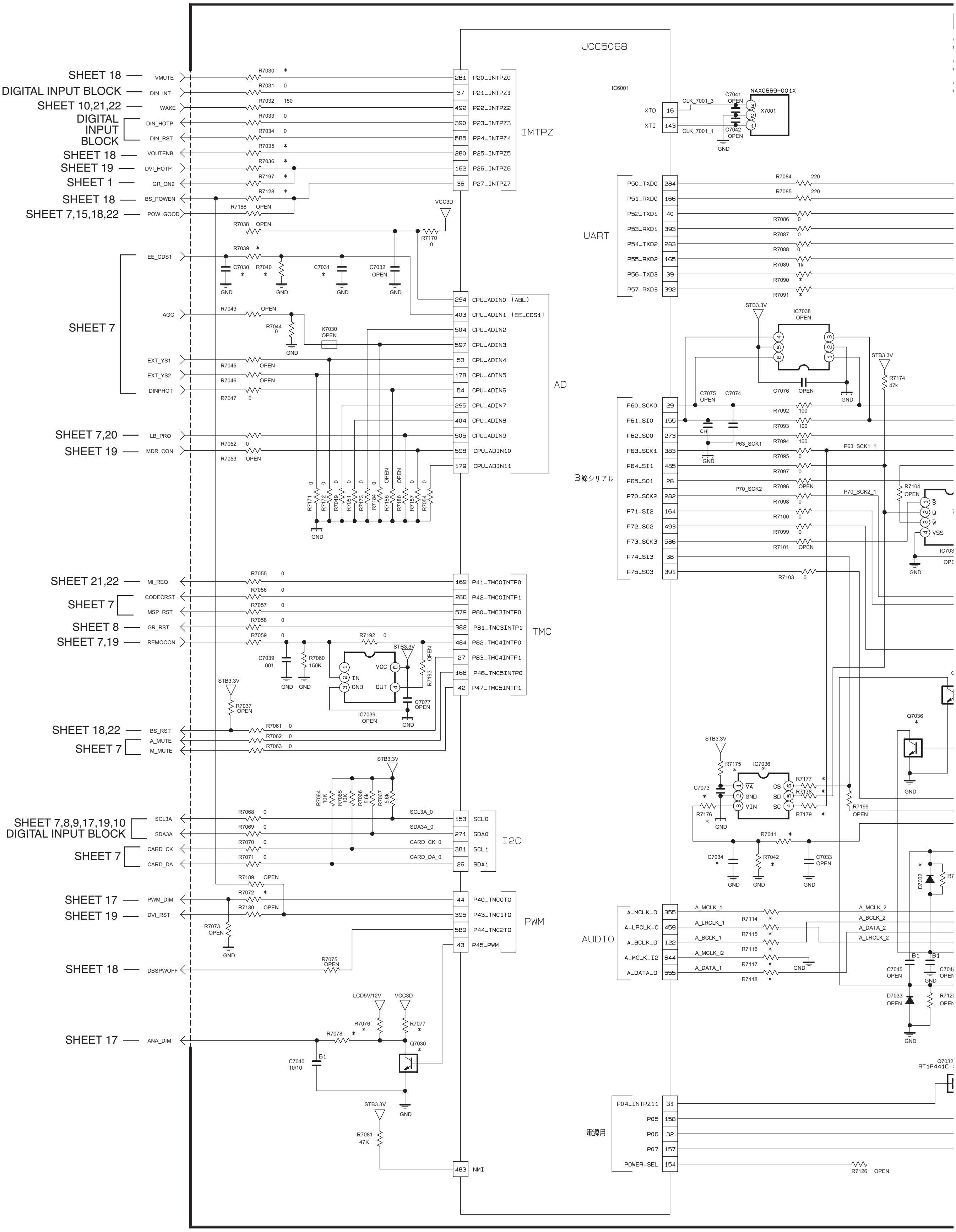
SFL-0D184A (LCA10708-68A) ··· LT-46FN97SA
SFL-0D185A (LCA10708-69A) ··· LT-40FN97SA

### NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

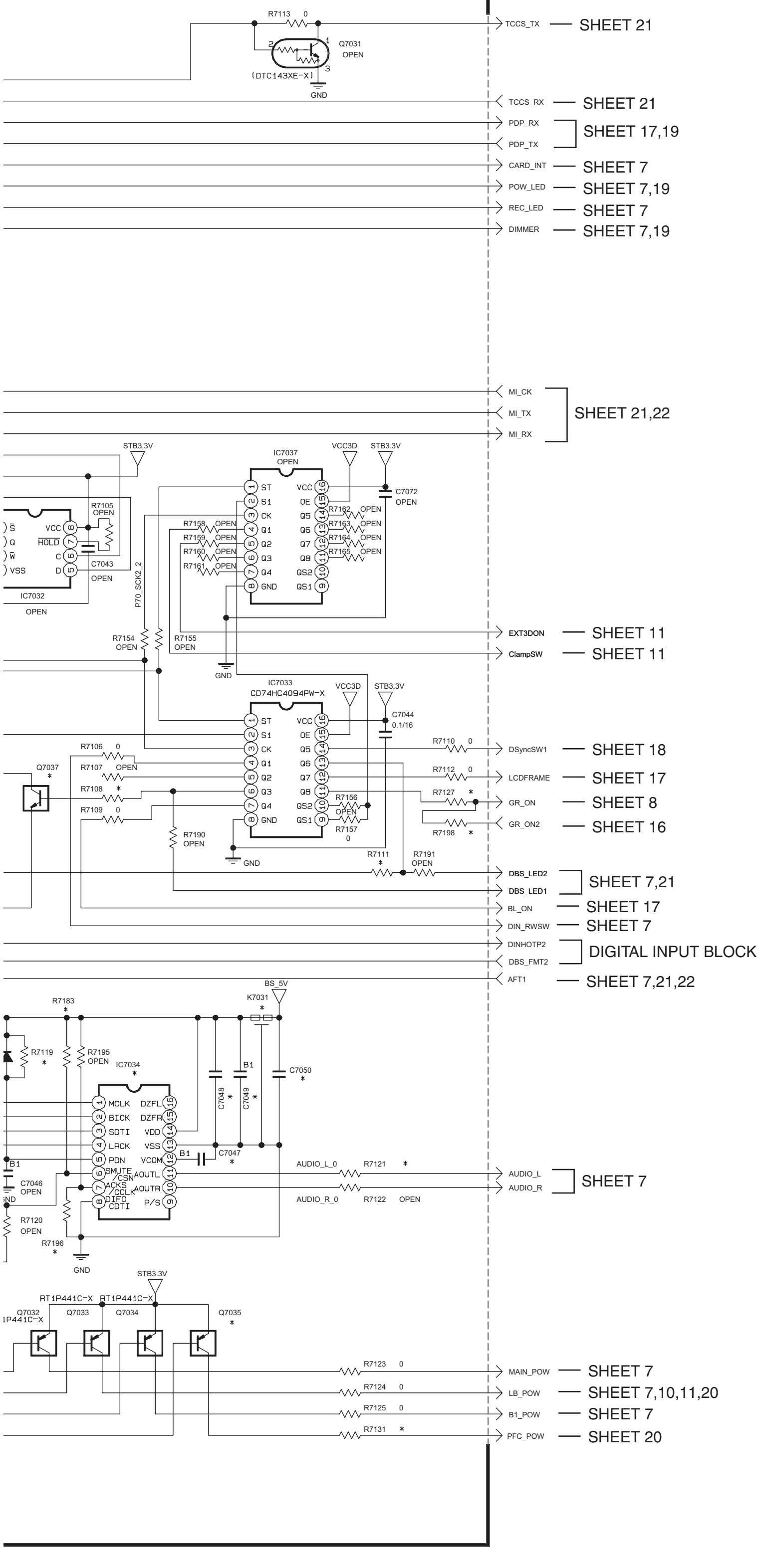
c10463001a008_0425_8/17_0.0

## DIGITAL PWB CIRCUIT DIAGRAM (10/16) SHEET 16



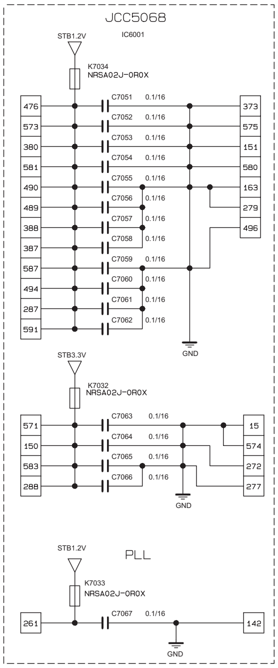
JCC5068
IC6001
SHEET 18
VMUTE
DIGITAL INPUT BLOCK
DIN_INT
SHEET 10,21,22
WAKE
DIGITAL INPUT BLOCK
DIN_HOTP
DIN_RST
SHEET 18
VOUTENB
SHEET 19
DVI_HOTP
SHEET 1
GR_ON2
SHEET 18
BS_POWEN
SHEET 7,15,18,22
POW_GOOD
R7030 *
R7031 0
R7032 150
R7033 0
R7034 0
R7035 *
R7036 *
R7197 *
R7128 *
R7188 OPEN
R7038 OPEN
281 P20_INTPZ0
37 P21_INTPZ1
492 P22_INTPZ2
390 P23_INTPZ3
585 P24_INTPZ4
280 P25_INTPZ5
162 P26_INTPZ6
36 P27_INTPZ7
IMTPZ
VCC3D
R7170 0
XTO 16
XTI 143
CLK_7001_3
CLK_7001_1
C7041 OPEN
C7042 OPEN
NAX0669-001X
X7001
GND
SHEET 7
EE_CDS1
R7039 *
C7030 *
R7040 *
C7031 *
C7032 OPEN
AGC
R7043 OPEN
R7044 0
K7030 OPEN
EXT_YS1
R7045 OPEN
EXT_YS2
R7046 OPEN
DINPHOT
R7047 0
294 CPU_ADIN0 (ABL)
403 CPU_ADIN1 (EE_CDS1)
504 CPU_ADIN2
597 CPU_ADIN3
53 CPU_ADIN4
178 CPU_ADIN5
54 CPU_ADIN6
295 CPU_ADIN7
404 CPU_ADIN8
505 CPU_ADIN9
598 CPU_ADIN10
179 CPU_ADIN11
AD
SHEET 7,20
LB_PRO
R7052 0
SHEET 19
MDR_CON
R7053 OPEN
R7171 0
R7172 0
R7049 0
R7051 0
R7173 0
R7184 0
R7185 OPEN
R7186 OPEN
R7187 0
R7054 0
UART
P50_TXD0 284
P51_RXD0 166
P52_TXD1 40
P53_RXD1 393
P54_TXD2 283
P55_RXD2 165
P56_TXD3 39
P57_RXD3 392
R7084 220
R7085 220
R7086 0
R7087 0
R7088 0
R7089 1k
R7090 *
R7091 *
STB3.3V
IC7038 OPEN
C7075 OPEN
C7074
C7076 OPEN
R7174 47k
3線シリアル
P60_SCK0 29
P61_SI0 155
P62_SO0 273
P63_SCK1 383
P64_SI1 485
P65_SO1 28
P70_SCK2 282
P71_SI2 164
P72_SO2 493
P73_SCK3 586
P74_SI3 38
P75_SO3 391
R7092 100
R7093 100
R7094 100
R7095 0
R7097 0
R7096 OPEN
R7098 0
R7100 0
R7099 0
R7101 OPEN
R7103 0
CH
P63_SCK1
P63_SCK1_1
P70_SCK2
P70_SCK2_1
R7104 OPEN
Q
W
VSS
SHEET 21,22
MI_REQ
SHEET 7
CODECRST
MSP_RST
SHEET 8
GR_RST
SHEET 7,19
REMOCON
R7055 0
R7056 0
R7057 0
R7058 0
R7059 0
R7192 0
169 P41_TMC0INTP0
286 P42_TMC0INTP1
579 P80_TMC3INTP0
382 P81_TMC3INTP1
484 P82_TMC4INTP0
27 P83_TMC4INTP1
168 P46_TMC5INTP0
42 P47_TMC5INTP1
TMC
C7039 .001
R7060 150K
IN
GND
VCC
OUT
IC7039 OPEN
R7193 OPEN
C7077 OPEN
R7037 OPEN
SHEET 18,22
BS_RST
SHEET 7
A_MUTE
M_MUTE
R7061 0
R7062 0
R7063 0
Q7036 *
STB3.3V
R7175 *
IC7036 *
C7073 *
VA
GND
VIN
CS
SD
SC
R7176 *
R7177 *
R7178 *
R7179 *
R7199 OPEN
R7041 *
C7034 *
R7042 *
C7033 OPEN
R7064 10K
R7065 10K
R7066 5.6k
R7067 5.6k
SHEET 7,8,9,17,19,10
DIGITAL INPUT BLOCK
SCL3A
SDA3A
SHEET 7
CARD_CK
CARD_DA
R7068 0
R7069 0
R7070 0
R7071 0
SCL3A_0
SDA3A_0
CARD_CK_0
CARD_DA_0
153 SCL0
271 SDA0
381 SCL1
26 SDA1
I2C
R7189 OPEN
SHEET 17
PWM_DIM
SHEET 19
DVI_RST
R7072 *
R7130 OPEN
R7073 OPEN
44 P40_TMC0T0
395 P43_TMC1T0
589 P44_TMC2T0
43 P45_PWM
PWM
SHEET 18
DBSPWOFF
R7075 OPEN
AUDIO
A_MCLK_0 355
A_LRCLK_0 459
A_BCLK_0 122
A_MCLK_I2 644
A_DATA_0 555
A_MCLK_1
A_LRCLK_1
A_BCLK_1
A_MCLK_I2
A_DATA_1
R7114 *
R7115 *
R7116 *
R7117 *
R7118 *
A_MCLK_2
A_BCLK_2
A_DATA_2
A_LRCLK_2
D7032 *
B1
C7045 OPEN
D7033 OPEN
LCD5V/12V
VCC3D
R7076 *
R7077 *
R7078 *
Q7030 *
SHEET 17
ANA_DIM
C7040 10/10
Q7032
RT1P441C
STB3.3V
R7081 47K
483 NMI
電源用
P04_INTPZ11 31
P05 158
P06 32
P07 157
POWER_SEL 154
R7126 OPEN

# DIGITAL PWB ASS'Y (10/16)
# SFL0D189A-M2 [LT-40X667/S]
# SFL0D186A-M2 [LT-40X787/S]
# SFL0D171A-M2 [LT-40X887/S]


R7113 0
Q7031 OPEN
(DTC143XE-X)
GND
TCCS_TX SHEET 21
TCCS_RX SHEET 21
PDP_RX
PDP_TX SHEET 17,19
CARD_INT SHEET 7
POW_LED SHEET 7,19
REC_LED SHEET 7
DIMMER SHEET 7,19
MI_CK
MI_TX
MI_RX SHEET 21,22
STB3.3V
IC7037 OPEN
VCC3D
STB3.3V
C7072 OPEN
R7105 OPEN
R7158 OPEN
R7159 OPEN
R7160 OPEN
R7161 OPEN
R7162 OPEN
R7163 OPEN
R7164 OPEN
R7165 OPEN
C7043 OPEN
IC7032 OPEN
P70_SCK2_2
R7154 OPEN
R7155 OPEN
EXT3DON SHEET 11
ClampSW SHEET 11
IC7033 CD74HC4094PW-X
C7044 0.1/16
R7106 0
R7107 OPEN
R7108 *
R7109 0
Q7037 *
R7110 0
R7112 0
R7127 *
R7198 *
R7156
R7157 0
R7190 OPEN
R7111 *
R7191 OPEN
DSyncSW1 SHEET 18
LCDFRAME SHEET 17
GR_ON SHEET 8
GR_ON2 SHEET 16
DBS_LED2
DBS_LED1 SHEET 7,21
BL_ON SHEET 17
DIN_RWSW SHEET 7
DINHOTP2
DBS_FMT2 DIGITAL INPUT BLOCK
AFT1 SHEET 7,21,22
BS_5V
K7031 *
R7183 *
R7119 *
R7195 OPEN
IC7034 *
C7048 *
C7049 *
B1
C7050 *
C7047 *
C7046 OPEN
R7120 OPEN
R7196 *
AUDIO_L_0
AUDIO_R_0
R7121 *
R7122 OPEN
AUDIO_L
AUDIO_R SHEET 7
STB3.3V
RT1P441C-X RT1P441C-X
Q7032 Q7033 Q7034 Q7035 *
R7123 0
R7124 0
R7125 0
R7131 *
MAIN_POW SHEET 7
LB_POW SHEET 7,10,11,20
B1_POW SHEET 7
PFC_POW SHEET 20

* DIFFERENCE LIST

| TYPE | LCD | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | JPN | | | US | | | | | |
| MODEL | LT-46LH800 | LT-37LC85 | LT-26LC80 | LT-40X887 /X787 | LT-37X887 /X787/X667 | LT-32X887 /X787 | LT-32XM57 | LT-46FH97 /40FH97 | LT-46FN97 /40FN97 |
| ASSY NO. | SFL-0D071A | SFL-0D072A | SFL-0D074A | SFL-0D171A etc | SFL-0D172A etc | SFL-0D173A 175A,178A etc | SFL-0D180A | SFL-0D182A etc | SFL-0D184A etc |
| | 0LLC10547 | 0LLC10547 -02 | 0LLC10547 -04 | 0LLC10547 -05 etc | 0LLC10547 -06 etc | 0LLC10547 -07 etc | 0LLC10547 -14 | 0LLC10547 -16 etc | 0LLC10547 -18 etc |
| IC7034 | AK4384ET-X | AK4384ET-X | AK4384ET-X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| IC7036 | OPEN | OPEN | OPEN | ADC081S021 CIS-X | ADC081S021 CIS-X | ADC081S021 CIS-X | ADC081S021 CIS-X | ADC081S021 CIS-X | ADC081S021 CIS-X |
| Q7030 | RT1N441C-X | RT1N441C-X | RT1N441C-X | RT1N441C-X | OPEN | OPEN | OPEN | RT1N441C-X | RT1N441C-X |
| Q7035 | RT1P441C-X | RT1P441C-X | OPEN | RT1P441C-X | RT1P441C-X | OPEN | OPEN | RT1P441C-X | RT1P441C-X |
| Q7036 | RT1N441C-X | RT1N441C-X | RT1N441C-X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| Q7037 | RT1N441C-X | RT1N441C-X | RT1N441C-X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| D7032 | *4 | *4 | *4 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| K7031 | NQR0470 -007X | NQR0470 -007X | NQR0470 -007X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R7030 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | 0 | 0 |
| R7035 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | 0 | 0 |
| R7036 | OPEN | OPEN | OPEN | 0 | 0 | 0 | 0 | 0 | 0 |
| R7039 | 1k | 1k | 1k | 1k | 1k | 1k | OPEN | 1k | 1k |
| R7040 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0 | OPEN | OPEN |
| R7041 | OPEN | OPEN | OPEN | 22k | 22k | 22k | 22k | 22k | 22k |
| R7042 | OPEN | OPEN | OPEN | 33k | 33k | 33k | 33k | OPEN | OPEN |
| R7070 | 0 | 0 | 0 | 0 | 0 | OPEN | OPEN | 0 | 0 |
| R7071 | 0 | 0 | 0 | 0 | 0 | OPEN | OPEN | 0 | 0 |
| R7072 | OPEN | OPEN | OPEN | 0 | 0 | 0 | 0 | OPEN | OPEN |
| R7076 | OPEN | 470 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R7077 | 330 | OPEN | 470 | 470 | 1k | 1k | 1k | 330 | 330 |
| R7078 | 330 | 1k | 1k | 330 | 0 | 0 | 0 | 330 | 330 |
| R7090 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | 0 | 0 |
| R7091 | OPEN | OPEN | OPEN | 0 | 0 | 0 0 | | 0 | 0 |
| R7108 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R7110 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | 0 | 0 |
| R7111 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R7114 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R7115 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R7116 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R7117 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R7118 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R7119 | 1k | 1k | 1k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R7121 | 100 | 100 | 100 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R7127 | OPEN | OPEN | OPEN | 0 | 0 | 0 0 | 0 | | 0 |
| R7128 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | 0 | 0 |
| R7131 | 0 | 0 | OPEN | 0 | 0 | OPEN | OPEN | 0 | 0 |
| R7175 | OPEN | OPEN | OPEN | 0 | 0 | 0 | 0 | 0 | 0 |
| R7176 | OPEN | OPEN | OPEN | 0 | 0 | 0 | 0 | 0 | 0 |
| R7177 | OPEN | OPEN | OPEN | 0 | 0 | 0 | 0 | 0 | 0 |
| R7178 | OPEN | OPEN | OPEN | 0 | 0 | 0 | 0 | 0 | 0 |
| R7179 | OPEN | OPEN | OPEN | 0 | 0 | 0 | 0 | 0 | 0 |
| R7183 | 1k | 1k | 1k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R7196 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R7197 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R7198 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C7030 | 0.01/50 | 0.01/50 | 0.01/50 | 0.01/50 | 0.01/50 | 0.01/50 | OPEN | 0.01/50 | 0.01/50 |
| C7031 | 0.01/50 | 0.01/50 | 0.01/50 | 0.01/50 | 0.01/50 | 0.01/50 | OPEN | 0.01/50 | 0.01/50 |
| C7034 | OPEN | OPEN | OPEN | 0.015/16 | 0.015/16 | 0.015/16 | 0.015/16 | OPEN | OPEN |
| C7047 | 10/10 | 10/10 | 10/10 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C7048 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C7049 | 10/10 | 10/10 | 10/10 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C7050 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| C7073 | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 |


JCC5068
STB1.2V
IC6001
K7034
NRSA02J-0R0X
476 573 380 581 490 489 388 387 587 494 287 591
C7051 0.1/16
C7052 0.1/16
C7053 0.1/16
C7054 0.1/16
C7055 0.1/16
C7056 0.1/16
C7057 0.1/16
C7058 0.1/16
C7059 0.1/16
C7060 0.1/16
C7061 0.1/16
C7062 0.1/16
373 575 151 580 163 279 496
GND
STB3.3V
K7032
NRSA02J-0R0X
571 150 583 288
C7063 0.1/16
C7064 0.1/16
C7065 0.1/16
C7066 0.1/16
15 574 272 277
GND
STB1.2V
PLL
K7033
NRSA02J-0R0X
261
C7067 0.1/16
142
GND

ASSY NO. - MODEL LIST

SFL-0D071A ··· LT-46LH800A
(LCA10708-51A)
SFL-0D072A ··· LT-37LC85A
(LCA10708-52A)
SFL-0D074A ··· LT-26LC80A
(LCA10708-54A)

SFL-0D171A ··· LT-40X887SA
(LCA10708-55A)
SFL-0D186A ··· LT-40X787SA
(LCA10708-70A)

SFL-0D172A ··· LT-37X887ZA
(LCA10708-56A)
SFL-0D174A ··· LT-37X787ZA
(LCA10708-58A)

SFL-0D173A ··· LT-32X887ZA
(LCA10708-57A)
SFL-0D175A ··· LT-32X787ZA
(LCA10708-59A)
SFL-0D178A ··· LT-32X667ZA
(LCA10708-62A)

SFL-0D180A ··· LT-32XM57ZA
(LCA10708-64A)

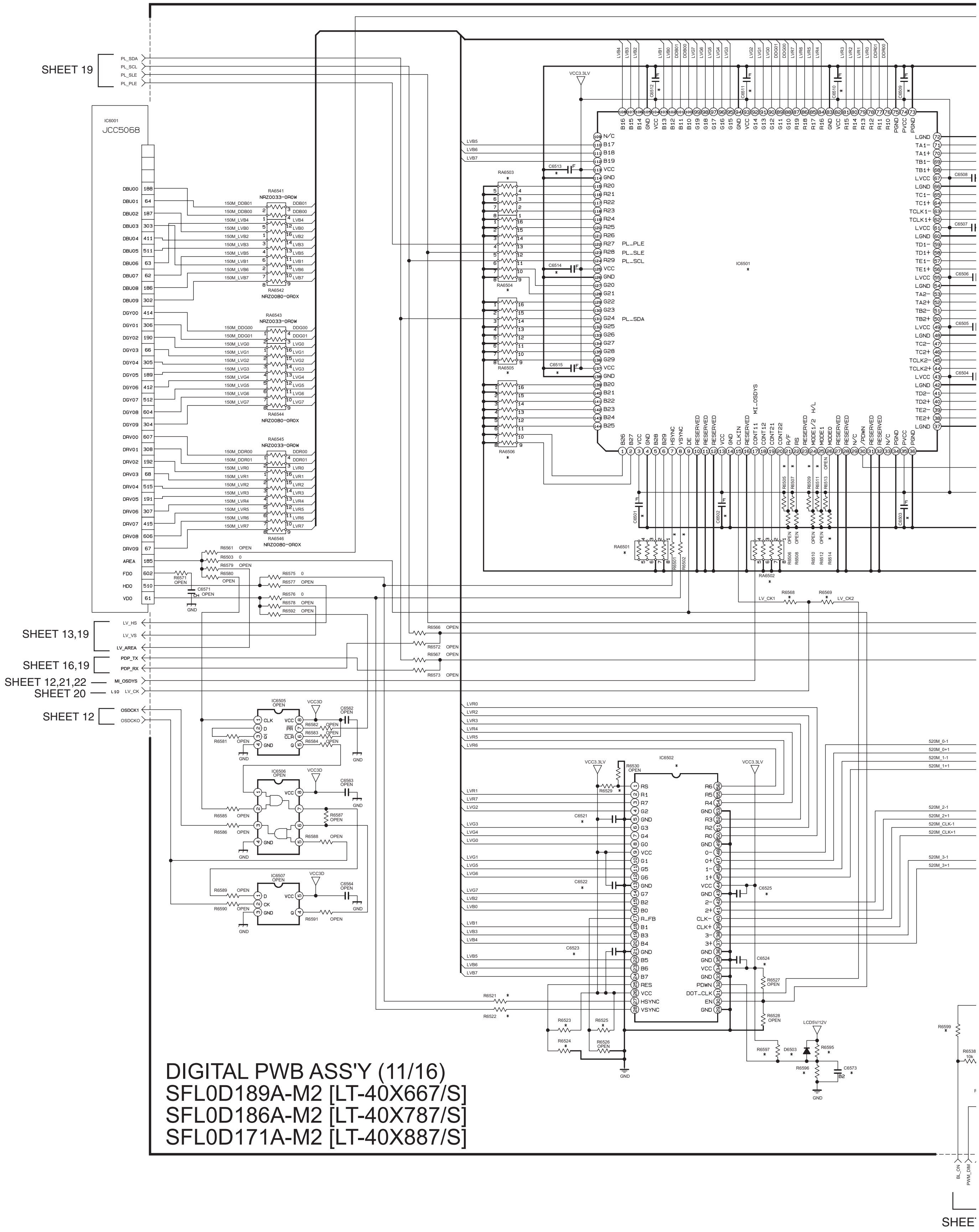
SFL-0D182A ··· LT-46FH97SA
(LCA10708-66A)
SFL-0D183A ··· LT-40FH97SA
(LCA10708-67A)

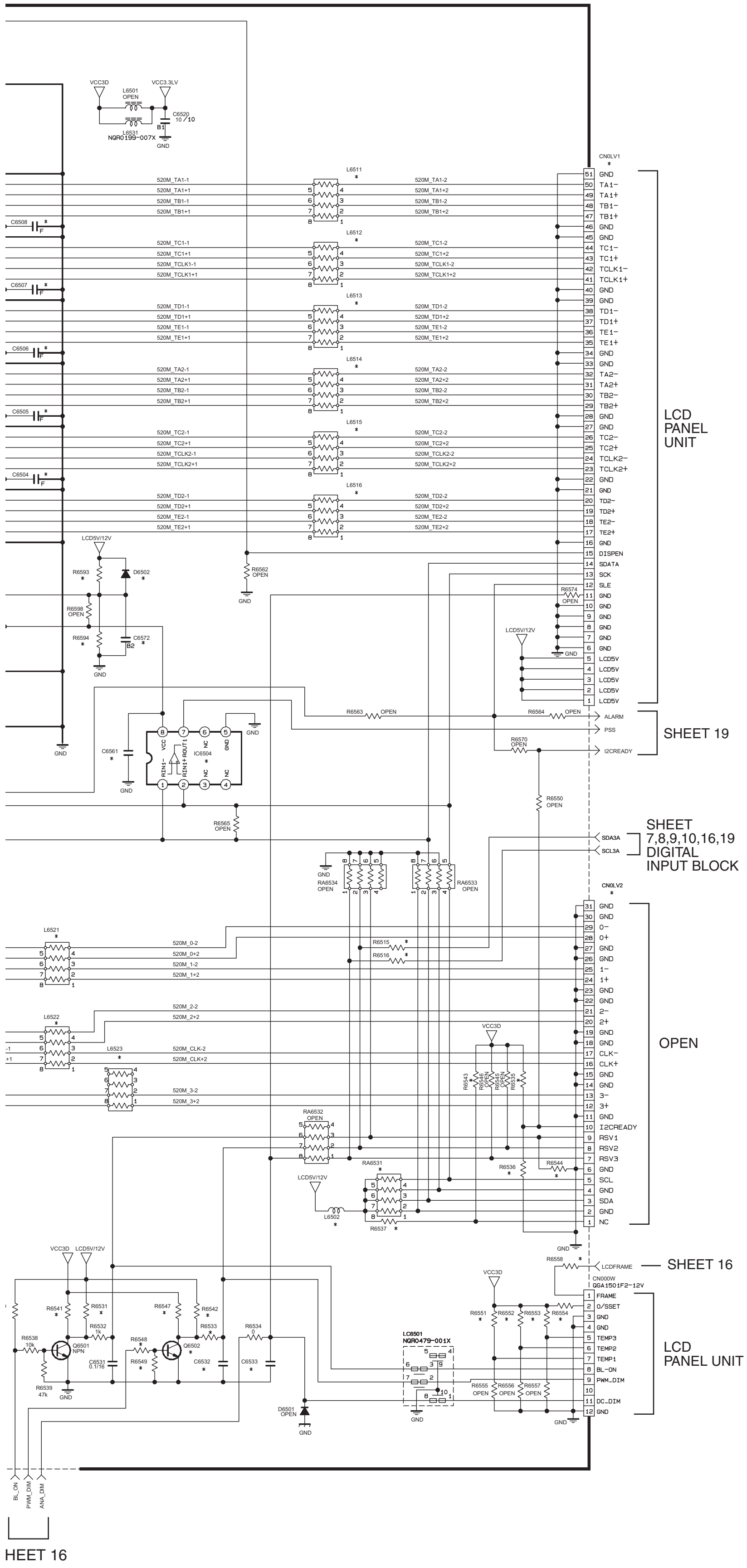
SFL-0D184A ··· LT-46FN97SA
(LCA10708-68A)
SFL-0D185A ··· LT-40FN97SA
(LCA10708-69A)

NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

# *DIGITAL PWB CIRCUIT DIAGRAM (11/16) SHEET 17*


SHEET 19
PL_SDA
PL_SCL
PL_SLE
PL_PLE
IC6001
JCC5068
DBU00
DBU01
DBU02
DBU03
DBU04
DBU05
DBU06
DBU07
DBU08
DBU09
DGY00
DGY01
DGY02
DGY03
DGY04
DGY05
DGY06
DGY07
DGY08
DGY09
DRV00
DRV01
DRV02
DRV03
DRV04
DRV05
DRV06
DRV07
DRV08
DRV09
AREA
FD0
HD0
VD0
RA6541
NRZ0033-0R0W
RA6542
NRZ00B0-0R0X
RA6543
RA6544
RA6545
RA6546
RA6501
RA6502
RA6503
RA6504
RA6505
RA6506
IC6501
IC6502
IC6505
IC6506
IC6507
OPEN
VCC3.3LV
VCC3D
LCD5V/12V
GND
SHEET 13,19
LV_HS
LV_VS
LV_AREA
SHEET 16,19
PDP_TX
PDP_RX
SHEET 12,21,22
MI_OSDYS
SHEET 20
LV_CK
SHEET 12
OSDCK1
OSDCK0
LV_CK1
LV_CK2
BL_ON
PWM_DIM
SHEE
DIGITAL PWB ASS'Y (11/16)
SFL0D189A-M2 [LT-40X667/S]
SFL0D186A-M2 [LT-40X787/S]
SFL0D171A-M2 [LT-40X887/S]


VCC3D
VCC3.3LV
L6501 OPEN
C6520 10/10
B1
L6531 NQR0199-007X
GND
CN0LV1 *
L6511 *
L6512 *
L6513 *
L6514 *
L6515 *
L6516 *
520M_TA1-1
520M_TA1+1
520M_TB1-1
520M_TB1+1
520M_TC1-1
520M_TC1+1
520M_TCLK1-1
520M_TCLK1+1
520M_TD1-1
520M_TD1+1
520M_TE1-1
520M_TE1+1
520M_TA2-1
520M_TA2+1
520M_TB2-1
520M_TB2+1
520M_TC2-1
520M_TC2+1
520M_TCLK2-1
520M_TCLK2+1
520M_TD2-1
520M_TD2+1
520M_TE2-1
520M_TE2+1
520M_TA1-2
520M_TA1+2
520M_TB1-2
520M_TB1+2
520M_TC1-2
520M_TC1+2
520M_TCLK1-2
520M_TCLK1+2
520M_TD1-2
520M_TD1+2
520M_TE1-2
520M_TE1+2
520M_TA2-2
520M_TA2+2
520M_TB2-2
520M_TB2+2
520M_TC2-2
520M_TC2+2
520M_TCLK2-2
520M_TCLK2+2
520M_TD2-2
520M_TD2+2
520M_TE2-2
520M_TE2+2
C6508 * F
C6507 * F
C6506 * F
C6505 * F
C6504 * F
51 GND
50 TA1-
49 TA1+
48 TB1-
47 TB1+
46 GND
45 GND
44 TC1-
43 TC1+
42 TCLK1-
41 TCLK1+
40 GND
39 GND
38 TD1-
37 TD1+
36 TE1-
35 TE1+
34 GND
33 GND
32 TA2-
31 TA2+
30 TB2-
29 TB2+
28 GND
27 GND
26 TC2-
25 TC2+
24 TCLK2-
23 TCLK2+
22 GND
21 GND
20 TD2-
19 TD2+
18 TE2-
17 TE2+
16 GND
15 DISPEN
14 SDATA
13 SCK
12 SLE
11 GND
10 GND
9 GND
8 GND
7 GND
6 GND
5 LCD5V
4 LCD5V
3 LCD5V
2 LCD5V
1 LCD5V
LCD PANEL UNIT
LCD5V/12V
R6593 *
D6502 *
R6598 OPEN
R6594 *
C6572 * B2
R6562 OPEN
R6574 OPEN
GND
R6563 OPEN
R6564 OPEN
ALARM
PSS
I2CREADY
SHEET 19
R6570 OPEN
C6561 *
IC6504 *
VCC
GND
NC
RIN1-
RIN1+
ROUT1
R6565 OPEN
R6550 OPEN
SDA3A
SCL3A
SHEET 7,8,9,10,16,19 DIGITAL INPUT BLOCK
RA6534 OPEN
RA6533 OPEN
CN0LV2 *
L6521 *
L6522 *
L6523 *
520M_0-2
520M_0+2
520M_1-2
520M_1+2
520M_2-2
520M_2+2
520M_CLK-2
520M_CLK+2
520M_3-2
520M_3+2
R6515 *
R6516 *
31 GND
30 GND
29 0-
28 0+
27 GND
26 GND
25 1-
24 1+
23 GND
22 GND
21 2-
20 2+
19 GND
18 GND
17 CLK-
16 CLK+
15 GND
14 GND
13 3-
12 3+
11 GND
10 I2CREADY
9 RSV1
8 RSV2
7 RSV3
6 GND
5 SCL
4 GND
3 SDA
2 GND
1 NC
OPEN
VCC3D
R6543
R6545
RA6532 OPEN
RA6531 *
R6536 *
R6544 *
R6537 *
L6502 *
LCD5V/12V
R6558 *
LCDFRAME
SHEET 16
CN000W QGA1501F2-12V
1 FRAME
2 O/SSET
3 GND
4 GND
5 TEMP3
6 TEMP2
7 TEMP1
8 BL-ON
9 PWM_DIM
10
11 DC.DIM
12 GND
LCD PANEL UNIT
R6541 *
R6531 *
R6532 1k
R6547 *
R6542 *
R6533 *
R6534 0
R6538 10k
Q6501 NPN
C6531 0.1/16
R6548 *
Q6502 *
C6532 *
C6533 *
R6549 *
R6539 47k
LC6501 NQR0479-001X
R6551 *
R6552 *
R6553 *
R6554 *
R6555 OPEN
R6556 OPEN
R6557 OPEN
D6501 OPEN
BL_ON
PWM_DIM
ANA_DIM
HEET 16

## * DIFFERENCE LIST

| TYPE | LCD | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | JPN | | | US | | | | | |
| MODEL | LT-46LH800 | LT-37LC85 | LT-26LC80 | LT-40X887/X787 | LT-37X887/X787/X667 | LT-32X887/X787 | LT-32XM57 | LT-46FH97/40FH97 | LT-46FN97/40FN97 |
| ASSY NO. | SFL-0D071A | SFL-0D072A | SFL-0D074A | SFL-0D171A etc | SFL-0D172A etc | SFL-0D173A 175A,178A etc | SFL-0D180A | SFL-0D182A etc | SFL-0D184A etc |
| | 0LLC10547 | 0LLC10547-02 | 0LLC10547-04 | 0LLC10547-05 etc | 0LLC10547-06 etc | 0LLC10547-07 etc | 0LLC10547-14 | 0LLC10547-16 etc | 0LLC10547-18 etc |
| CN0LV1 | QGA0504F1-51X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | QGA0504F1-51X | QGA0504F1-51X |
| CN0LV2 | OPEN | QGA0504F1-31X | QGA0504F1-31X | QGA0504F1-31X | QGA0504F1-31X | QGA0504F1-31X | QGA0504F1-31X | OPEN | OPEN |
| IC6501 | THC63LVD1023 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | THC63LVD1023 | THC63LVD1023 |
| IC6502 | OPEN | THC63LVDM83R-W | THC63LVDM83R-W | THC63LVDM83R-W | THC63LVDM83R-W | THC63LVDM83R-W | THC63LVDM83R-W | OPEN | OPEN |
| Q6502 | OPEN | OPEN | OPEN | NPN | NPN | NPN | NPN | OPEN | OPEN |
| D6502 | *4 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | *4 | *4 |
| D6503 | OPEN | OPEN | *4 | *4 | *4 | *4 | *4 | OPEN | OPEN |
| L6502 | OPEN | NRSA02J-0R0X | NRSA02J-0R0X | NRSA02J-0R0X | NRSA02J-0R0X | NRSA02J-0R0X | NRSA02J-0R0X | OPEN | OPEN |
| L6511 | RA0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | RA0 | RA0 |
| L6512 | RA0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | RA0 | RA0 |
| L6513 | RA0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | RA0 | RA0 |
| L6514 | RA0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | RA0 | RA0 |
| L6515 | RA0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | RA0 | RA0 |
| L6516 | RA0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | RA0 | RA0 |
| L6521 | OPEN | RA0 | RA0 | RA0 | RA0 | RA0 | RA0 | OPEN | OPEN |
| L6522 | OPEN | RA0 | RA0 | RA0 | RA0 | RA0 | RA0 | OPEN | OPEN |
| L6523 | OPEN | RA0 | RA0 | RA0 | RA0 | RA0 | RA0 | OPEN | OPEN |
| RA6501 | RA0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | RA0 | RA0 |
| RA6502 | RA0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | RA0 | RA0 |
| RA6503 | RA0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | RA0 | RA0 |
| RA6504 | NRZ0080-0R0X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | NRZ0080-0R0X | NRZ0080-0R0X |
| RA6505 | NRZ0080-0R0X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | NRZ0080-0R0X | NRZ0080-0R0X |
| RA6506 | NRZ0080-0R0X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | NRZ0080-0R0X | NRZ0080-0R0X |
| RA6531 | OPEN | RA0 | RA0 | RA0 | RA0 | RA0 | RA0 | OPEN | OPEN |
| R6501 | 100 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 100 | 100 |
| R6502 | 100 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 100 | 100 |
| R6505 | 1K | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 1K | 1K |
| R6507 | 1K | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 1K | 1K |
| R6509 | 1K | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 1K | 1K |
| R6511 | 1K | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 1K | 1K |
| R6514 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0 | 0 |
| R6515 | OPEN | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R6516 | OPEN | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R6521 | OPEN | 100 | 100 | 100 | 100 | 100 | 100 | OPEN | OPEN |
| R6522 | OPEN | 100 | 100 | 100 | 100 | 100 | 100 | OPEN | OPEN |
| R6523 | OPEN | 1K | 1K | 1K | 1K | 1K | 1K | OPEN | OPEN |
| R6524 | OPEN | 1K | 1K | 1K | 1K | 1K | 1K | OPEN | OPEN |
| R6525 | OPEN | 0 | 0 | 0 | 0 | 0 | 0 | OPEN | OPEN |
| R6529 | OPEN | 0 | 0 | 0 | 0 | 0 | 0 | OPEN | OPEN |
| R6531 | OPEN | 1K | OPEN | 1K | OPEN | OPEN | OPEN | OPEN | OPEN |
| R6533 | OPEN | 0 | OPEN | 0 | 0 | 0 | 0 | OPEN | OPEN |
| R6535 | OPEN | OPEN | 1k | OPEN | 1K | 1K | 1K | OPEN | OPEN |
| R6536 | OPEN | 0 | OPEN | 0 | OPEN | OPEN | OPEN | OPEN | OPEN |
| R6537 | OPEN | OPEN | 0 | 0 | 0 | 0 | 0 | OPEN | OPEN |
| R6541 | 1k | OPEN | 1k | OPEN | 1k | 1k | 1k | 1k | 1k |
| R6542 | OPEN | 0 | OPEN | 1k | OPEN | OPEN | OPEN | OPEN | OPEN |
| R6543 | OPEN | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R6544 | OPEN | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R6547 | OPEN | OPEN | OPEN | OPEN | 1k | 1k | 1k | OPEN | OPEN |
| R6548 | OPEN | OPEN | OPEN | 1k | 10k | 10k | 10k | OPEN | OPEN |
| R6549 | OPEN | OPEN | OPEN | OPEN | 10k | 10k | 10k | OPEN | OPEN |
| R6551 | 1K | 1K | OPEN | OPEN | OPEN | OPEN | OPEN | 1K | 1K |
| R6552 | 1K | 1K | OPEN | OPEN | OPEN | OPEN | OPEN | 1K | 1K |
| R6553 | 1K | 1K | OPEN | OPEN | OPEN | OPEN | OPEN | 1K | 1K |
| R6554 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | 0 | 0 |
| R6558 | 1K | 1K | OPEN | OPEN | OPEN | OPEN | OPEN | 1K | 1K |
| R6568 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0 | 0 |
| R6569 | OPEN | 0 | 0 | 0 | 0 | 0 | 0 | OPEN | OPEN |
| R6593 | 18k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 18k | 18k |
| R6594 | 33k | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 33k | 33k |
| R6595 | OPEN | OPEN | 18k | 18k | 47k | 47k | 47k | OPEN | OPEN |
| R6596 | OPEN | OPEN | 33k | 33k | 15k | 15k | 15k | OPEN | OPEN |
| R6597 | OPEN | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R6599 | 10k | 10k | 82k | 10k | 82k | 82k | 82k | 10k | 10k |
| C6501 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 |
| C6502 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 |
| C6503 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 |
| C6504 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 |
| C6505 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 |
| C6506 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 |
| C6507 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 |
| C6508 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 |
| C6509 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 |
| C6510 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 |
| C6511 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 |
| C6512 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 |
| C6513 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 |
| C6514 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 |
| C6515 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 |
| C6521 | OPEN | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN |
| C6522 | OPEN | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN |
| C6523 | OPEN | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN |
| C6524 | OPEN | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN |
| C6525 | OPEN | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN |
| C6532 | OPEN | 0.1/16 | OPEN | 0.1/16 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN |
| C6533 | 0.1/16 | 0.1/16 | 0.1/16 | OPEN | NRSA63J-102X | NRSA63J-102X | NRSA63J-102X | 0.1/16 | 0.1/16 |
| C6572 | 1/16 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 1/16 | 1/16 |
| C6573 | OPEN | OPEN | 1 /16 | 1/16 | 1/16 | 1/16 | 1/16 | OPEN | OPEN |

NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

ASSY NO. - MODEL LIST

| | | |
|---|---|---|
| SFL-0D071A<br>(LCA10708-51A) | ··· | LT-46LH800A |
| SFL-0D072A<br>(LCA10708-52A) | ··· | LT-37LC85A |
| SFL-0D074A<br>(LCA10708-54A) | ··· | LT-26LC80A |
| SFL-0D171A<br>(LCA10708-55A) | ··· | LT-40X887SA |
| SFL-0D186A<br>(LCA10708-70A) | ··· | LT-40X787SA |
| SFL-0D172A<br>(LCA10708-56A) | ··· | LT-37X887ZA |
| SFL-0D174A<br>(LCA10708-58A) | ··· | LT-37X787ZA |
| SFL-0D173A<br>(LCA10708-57A) | ··· | LT-32X887ZA |
| SFL-0D175A<br>(LCA10708-59A) | ··· | LT-32X787ZA |
| SFL-0D178A<br>(LCA10708-62A) | ··· | LT-32X667ZA |
| SFL-0D180A<br>(LCA10708-64A) | ··· | LT-32XM57ZA |
| SFL-0D182A<br>(LCA10708-66A) | ··· | LT-46FH97SA |
| SFL-0D183A<br>(LCA10708-67A) | ··· | LT-40FH97SA |
| SFL-0D184A<br>(LCA10708-68A) | ··· | LT-46FN97SA |
| SFL-0D185A<br>(LCA10708-69A) | ··· | LT-40FN97SA |

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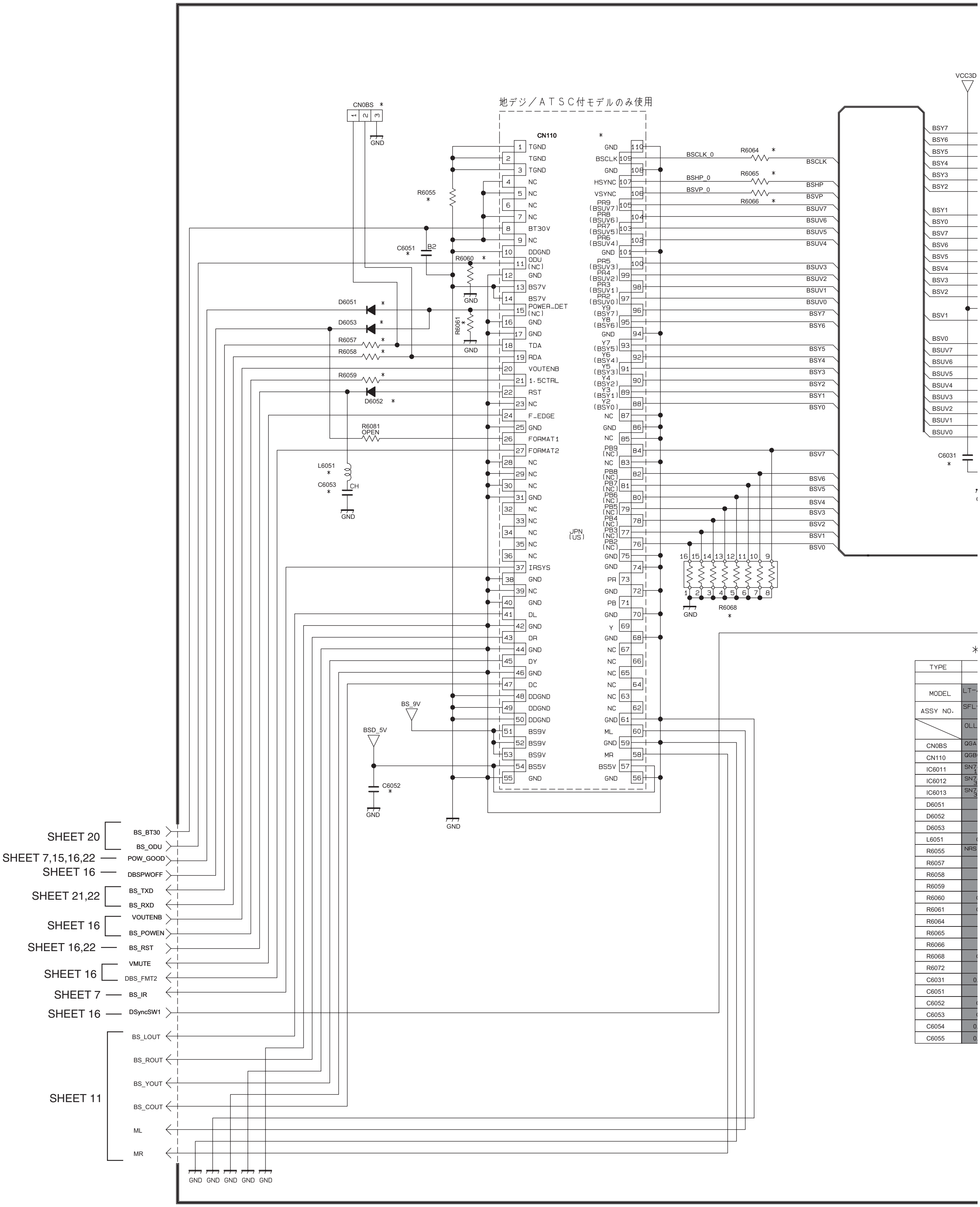
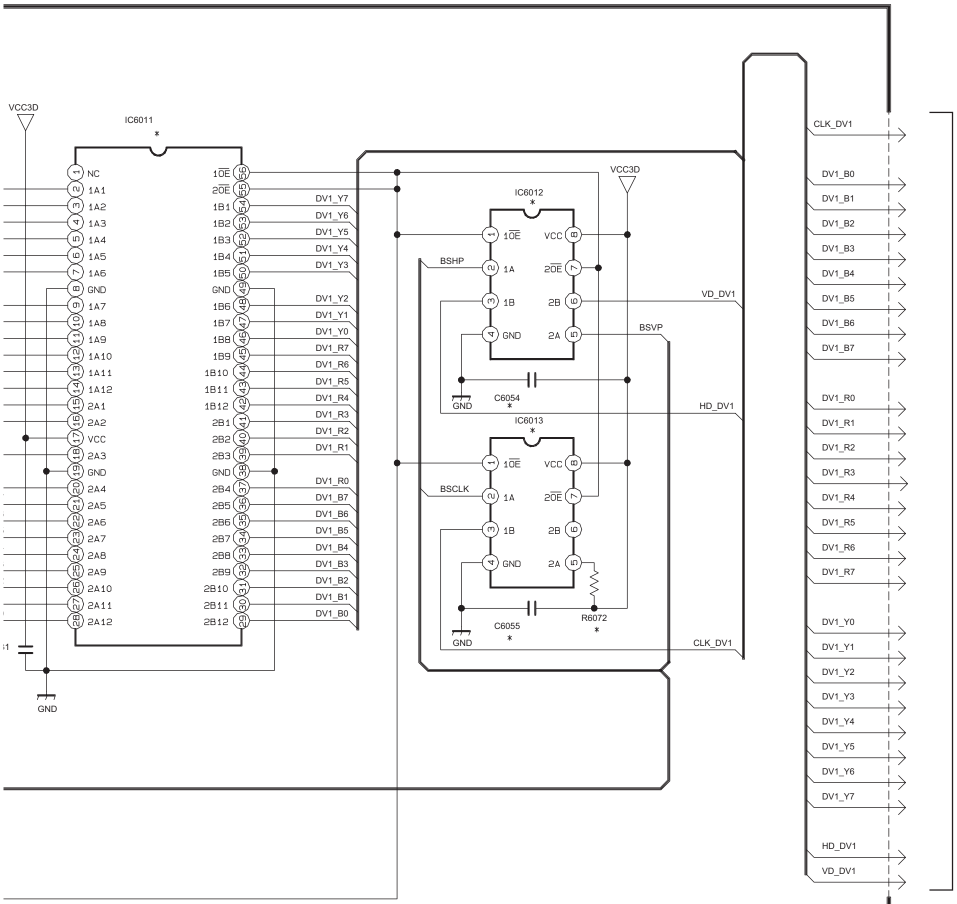
# DIGITAL PWB CIRCUIT DIAGRAM (12/16) SHEET 18



地デジ／ＡＴＳＣ付モデルのみ使用
CN0BS *
CN110
GND
R6055 *
C6051 *
B2
R6060 *
R6061 *
D6051 *
D6053 *
R6057 *
R6058 *
R6059 *
D6052 *
R6081 OPEN
L6051 *
C6053 *
CH
BS_9V
BSD_5V
C6052 *
1 TGND
2 TGND
3 TGND
4 NC
5 NC
6 NC
7 NC
8 BT30V
9 NC
10 DDGND
11 ODU (NC)
12 GND
13 BS7V
14 BS7V
15 POWER_DET (NC)
16 GND
17 GND
18 TDA
19 RDA
20 VOUTENB
21 1.5CTRL
22 RST
23 NC
24 F_EDGE
25 GND
26 FORMAT1
27 FORMAT2
28 NC
29 NC
30 NC
31 GND
32 NC
33 NC
34 NC
35 NC
36 NC
37 IRSYS
38 GND
39 NC
40 GND
41 DL
42 GND
43 DR
44 GND
45 DY
46 GND
47 DC
48 DDGND
49 DDGND
50 DDGND
51 BS9V
52 BS9V
53 BS9V
54 BS5V
55 GND
JPN (US)
110 GND
109 BSCLK
108 GND
107 HSYNC
106 VSYNC
105 PR9 (BSUV7)
104 PR8 (BSUV6)
103 PR7 (BSUV5)
102 PR6 (BSUV4)
101 GND
100 PR5 (BSUV3)
99 PR4 (BSUV2)
98 PR3 (BSUV1)
97 PR2 (BSUV0)
96 Y9 (BSY7)
95 Y8 (BSY6)
94 GND
93 Y7 (BSY5)
92 Y6 (BSY4)
91 Y5 (BSY3)
90 Y4 (BSY2)
89 Y3 (BSY1)
88 Y2 (BSY0)
87 NC
86 GND
85 NC
84 PB9 (NC)
83 NC
82 PB8 (NC)
81 PB7 (NC)
80 PB6 (NC)
79 PB5 (NC)
78 PB4 (NC)
77 PB3 (NC)
76 PB2 (NC)
75 GND
74 GND
73 PR
72 GND
71 PB
70 GND
69 Y
68 GND
67 NC
66 NC
65 NC
64 NC
63 NC
62 NC
61 GND
60 ML
59 GND
58 MR
57 BS5V
56 GND
BSCLK_0
BSHP_0
BSVP_0
R6064 *
R6065 *
R6066 *
BSCLK
BSHP
BSVP
BSUV7
BSUV6
BSUV5
BSUV4
BSUV3
BSUV2
BSUV1
BSUV0
BSY7
BSY6
BSY5
BSY4
BSY3
BSY2
BSY1
BSY0
BSV7
BSV6
BSV5
BSV4
BSV3
BSV2
BSV1
BSV0
R6068 *
VCC3D
C6031 *
SHEET 20
BS_BT30
BS_ODU
SHEET 7,15,16,22
POW_GOOD
SHEET 16
DBSPWOFF
SHEET 21,22
BS_TXD
BS_RXD
SHEET 16
VOUTENB
BS_POWEN
SHEET 16,22
BS_RST
SHEET 16
VMUTE
DBS_FMT2
SHEET 7
BS_IR
SHEET 16
DSyncSW1
SHEET 11
BS_LOUT
BS_ROUT
BS_YOUT
BS_COUT
ML
MR
GND GND GND GND GND
*
TYPE
MODEL
LT-
ASSY NO.
SFL-
OLL
CN0BS
CN110
IC6011
IC6012
IC6013
D6051
D6052
D6053
L6051
R6055
R6057
R6058
R6059
R6060
R6061
R6064
R6065
R6066
R6068
R6072
C6031
C6051
C6052
C6053
C6054
C6055


VCC3D
IC6011
NC
1A1
1A2
1A3
1A4
1A5
1A6
GND
1A7
1A8
1A9
1A10
1A11
1A12
2A1
2A2
VCC
2A3
GND
2A4
2A5
2A6
2A7
2A8
2A9
2A10
2A11
2A12
1OE
2OE
1B1
1B2
1B3
1B4
1B5
GND
1B6
1B7
1B8
1B9
1B10
1B11
1B12
2B1
2B2
2B3
GND
2B4
2B5
2B6
2B7
2B8
2B9
2B10
2B11
2B12
DV1_Y7
DV1_Y6
DV1_Y5
DV1_Y4
DV1_Y3
DV1_Y2
DV1_Y1
DV1_Y0
DV1_R7
DV1_R6
DV1_R5
DV1_R4
DV1_R3
DV1_R2
DV1_R1
DV1_R0
DV1_B7
DV1_B6
DV1_B5
DV1_B4
DV1_B3
DV1_B2
DV1_B1
DV1_B0
GND
IC6012
BSHP
1OE
1A
1B
GND
VCC
2OE
2B
2A
VCC3D
VD_DV1
BSVP
C6054
GND
HD_DV1
IC6013
BSCLK
C6055
R6072
CLK_DV1
CLK_DV1
DV1_B0
DV1_B1
DV1_B2
DV1_B3
DV1_B4
DV1_B5
DV1_B6
DV1_B7
DV1_R0
DV1_R1
DV1_R2
DV1_R3
DV1_R4
DV1_R5
DV1_R6
DV1_R7
DV1_Y0
DV1_Y1
DV1_Y2
DV1_Y3
DV1_Y4
DV1_Y5
DV1_Y6
DV1_Y7
HD_DV1
VD_DV1
SHEET 10,12
DIGITAL INPUT BLOCK

## * DIFFERENCE LIST

| LCD | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| JPN | | | US | | | | | |
| LT-46LH800 | LT-37LC85 | LT-26LC80 | LT-40X887 /X787 | LT-37X887 /X787/X667 | LT-32X887 /X787 | LT-32XM57 | LT-46FH97 /40FH97 | LT-46FN97 /40FN97 |
| SFL-0D071A | SFL-0D072A | SFL-0D074A | SFL-0D171A etc | SFL-0D172A etc | SFL-0D173A 175A,178Aetc | SFL-0D180A | SFL-0D182A etc | SFL-0D184A etc |
| 0LLC10547 | 0LLC10547 -02 | 0LLC10547 -04 | 0LLC10547 -05 etc | 0LLC10547 -06 etc | 0LLC10547 -07 etc | 0LLC10547 -14 | 0LLC10547 -16 etc | 0LLC10547 -18 etc |
| QGA1501C5 -03W | QGA1501C5 -03W | QGA1501C5 -03W | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| QGB0603L1 -B0 | QGB0603L1 -B0 | QGB0603L1 -B0 | OPEN | OPEN | OPEN | OPEN | QGB0603L1 -B0 | QGB0603L1 -B0 |
| SN74CBQ 16211G-X | SN74CBQ 16211G-X | SN74CBQ 16211G-X | OPEN | OPEN | OPEN | OPEN | SN74CBQ 16211G-X | SN74CBQ 16211G-X |
| SN74CBQ 3306AU-X | SN74CBQ 3306AU-X | SN74CBQ 3306AU-X | OPEN | OPEN | OPEN | OPEN | SN74CBQ 3306AU-X | SN74CBQ 3306AU-X |
| SN74CBQ 3306AU-X | SN74CBQ 3306AU-X | SN74CBQ 3306AU-X | OPEN | OPEN | OPEN | OPEN | SN74CBQ 3306AU-X | SN74CBQ 3306AU-X |
| *4 | *4 | *4 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| *4 | *4 | *4 | OPEN | OPEN | OPEN | OPEN | *4 | *4 |
| *4 | *4 | *4 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | NRSA02J -0R0X | NRSA02J -0R0X |
| NRS181J -0R0X | NRS181J -0R0X | NRS181J -0R0X | OPEN | OPEN | OPEN | OPEN | NRS181J -0R0X | NRS181J -0R0X |
| 22 | 22 | 22 | OPEN | OPEN | OPEN | OPEN | 22 | 22 |
| 22 | 22 | 22 | OPEN | OPEN | OPEN | OPEN | 22 | 22 |
| 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | 100 | 100 |
| OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0 | 0 |
| OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0 | 0 |
| 22 | 22 | 22 | OPEN | OPEN | OPEN | OPEN | 22 | 22 |
| 22 | 22 | 22 | OPEN | OPEN | OPEN | OPEN | 22 | 22 |
| 22 | 22 | 22 | OPEN | OPEN | OPEN | OPEN | 22 | 22 |
| OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | NRZ0080 -0R0X | NRZ0080 -0R0X |
| 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | 0 | 0 |
| 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 |
| 0.1 | 0.1 | 0.1 | OPEN | OPEN | OPEN | OPEN | 0.1 | 0.1 |
| OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | NCJ41CK -226X-U | NCJ41CK -226X-U |
| OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 10p | 10p |
| 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 |
| 0.1/16 | 0.1/16 | 0.1/16 | OPEN | OPEN | OPEN | OPEN | 0.1/16 | 0.1/16 |

ASSY NO. - MODEL LIST

| ASSY NO. | | MODEL |
|---|---|---|
| SFL-0D071A (LCA10708-51A) | ··· | LT-46LH800A |
| SFL-0D072A (LCA10708-52A) | ··· | LT-37LC85A |
| SFL-0D074A (LCA10708-54A) | ··· | LT-26LC80A |
| SFL-0D171A (LCA10708-55A) | ··· | LT-40X887SA |
| SFL-0D186A (LCA10708-70A) | ··· | LT-40X787SA |
| SFL-0D172A (LCA10708-56A) | ··· | LT-37X887ZA |
| SFL-0D174A (LCA10708-58A) | ··· | LT-37X787ZA |
| SFL-0D173A (LCA10708-57A) | ··· | LT-32X887ZA |
| SFL-0D175A (LCA10708-59A) | ··· | LT-32X787ZA |
| SFL-0D178A (LCA10708-62A) | ··· | LT-32X667ZA |
| SFL-0D180A (LCA10708-64A) | ··· | LT-32XM57ZA |
| SFL-0D182A (LCA10708-66A) | ··· | LT-46FH97SA |
| SFL-0D183A (LCA10708-67A) | ··· | LT-40FH97SA |
| SFL-0D184A (LCA10708-68A) | ··· | LT-46FN97SA |
| SFL-0D185A (LCA10708-69A) | ··· | LT-40FN97SA |

NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

# DIGITAL PWB ASS'Y (12/16)
SFL0D189A-M2 [LT-40X667/S]
SFL0D186A-M2 [LT-40X787/S]
SFL0D171A-M2 [LT-40X887/S]

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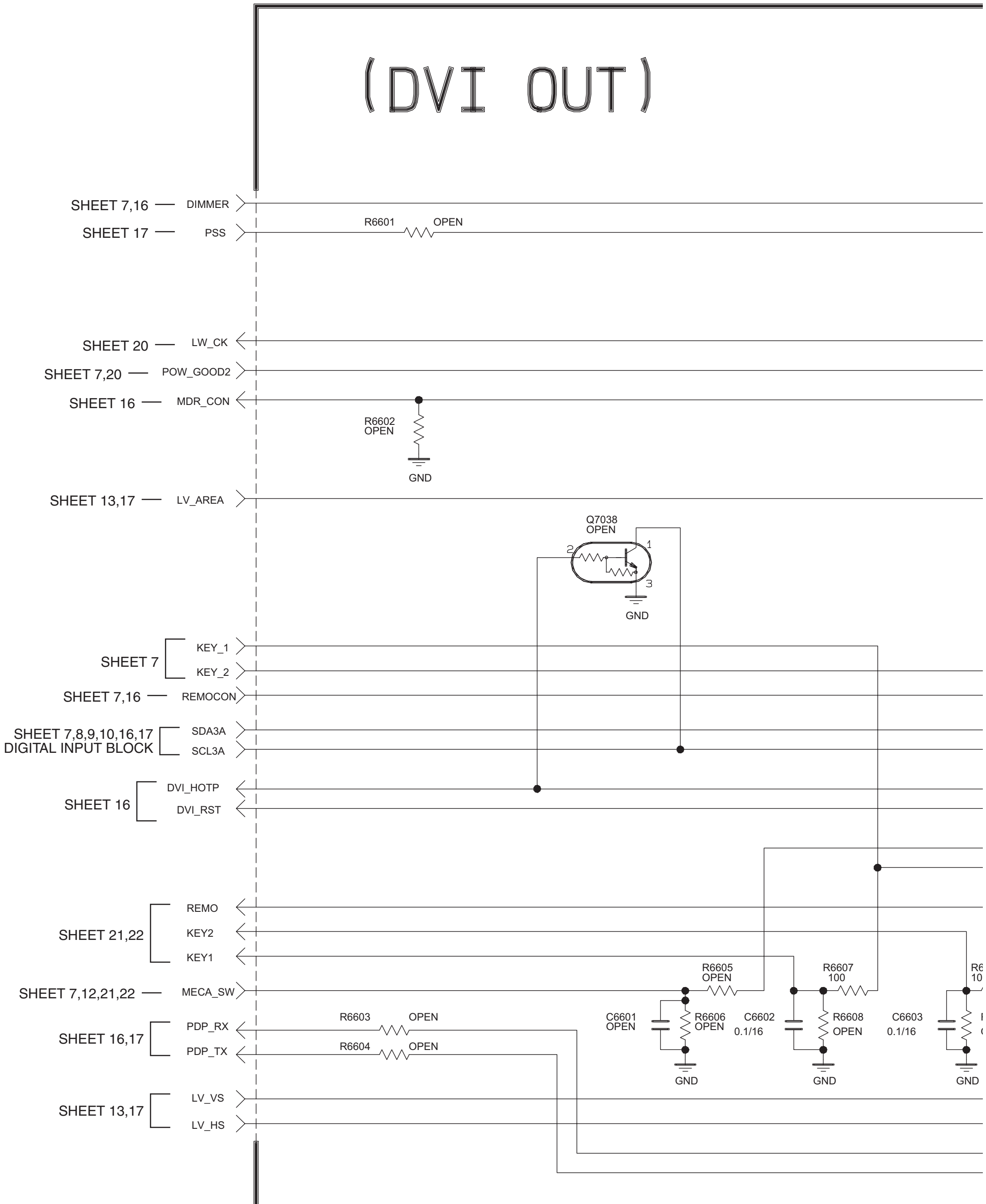
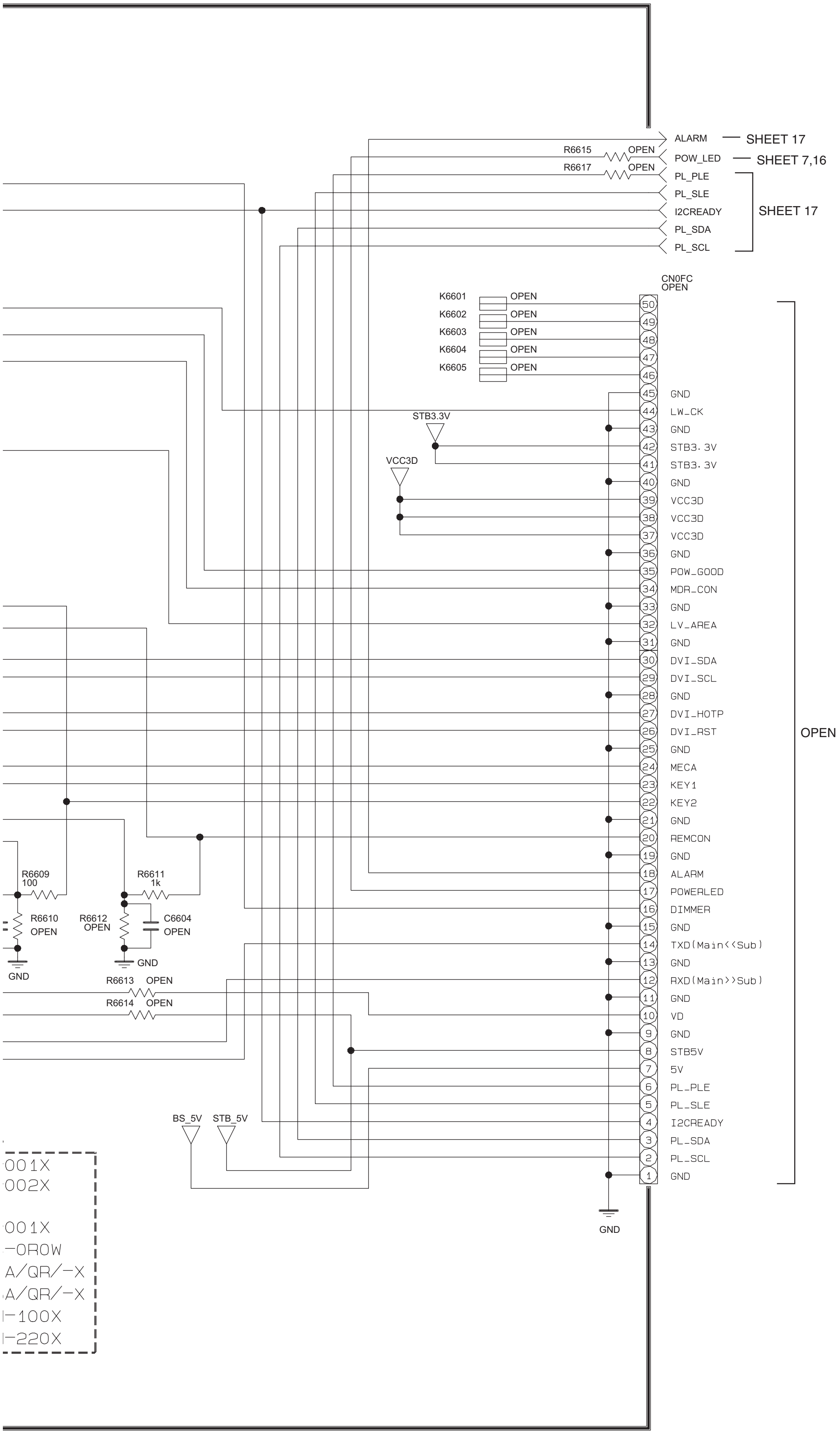

(DVI OUT)
SHEET 7,16
DIMMER
SHEET 17
PSS
R6601
OPEN
SHEET 20
LW_CK
SHEET 7,20
POW_GOOD2
SHEET 16
MDR_CON
R6602
OPEN
GND
SHEET 13,17
LV_AREA
Q7038
OPEN
2
1
3
GND
SHEET 7
KEY_1
KEY_2
SHEET 7,16
REMOCON
SHEET 7,8,9,10,16,17
DIGITAL INPUT BLOCK
SDA3A
SCL3A
SHEET 16
DVI_HOTP
DVI_RST
SHEET 21,22
REMO
KEY2
KEY1
SHEET 7,12,21,22
MECA_SW
SHEET 16,17
PDP_RX
PDP_TX
R6603
OPEN
R6604
OPEN
R6605
OPEN
R6607
100
C6601
OPEN
R6606
OPEN
C6602
0.1/16
R6608
OPEN
C6603
0.1/16
GND
GND
GND
SHEET 13,17
LV_VS
LV_HS

NOTE.

*1:NQR0498-00
*2:NQR0489-002
*4:MA111-X
*5:NQR0499-00
RA0:NRZ0034-0
PNP:2SA1530A/
NPN:2SC3928A/
L10:NQL79GM-1
L22:NQL79GM-2

DIGITAL PWB ASS'Y (13/16)
SFL0D189A-M2 [LT-40X667/S]
SFL0D186A-M2 [LT-40X787/S]
SFL0D171A-M2 [LT-40X887/S]


ALARM
SHEET 17
R6615
OPEN
POW_LED
SHEET 7,16
R6617
OPEN
PL_PLE
PL_SLE
I2CREADY
PL_SDA
PL_SCL
SHEET 17
CN0FC
OPEN
K6601 OPEN
K6602 OPEN
K6603 OPEN
K6604 OPEN
K6605 OPEN
STB3.3V
VCC3D
50
49
48
47
46
45 GND
44 LW_CK
43 GND
42 STB3.3V
41 STB3.3V
40 GND
39 VCC3D
38 VCC3D
37 VCC3D
36 GND
35 POW_GOOD
34 MDR_CON
33 GND
32 LV_AREA
31 GND
30 DVI_SDA
29 DVI_SCL
28 GND
27 DVI_HOTP
26 DVI_RST
25 GND
24 MECA
23 KEY1
22 KEY2
21 GND
20 REMCON
19 GND
18 ALARM
17 POWERLED
16 DIMMER
15 GND
14 TXD(Main<<Sub)
13 GND
12 RXD(Main>>Sub)
11 GND
10 VD
9 GND
8 STB5V
7 5V
6 PL_PLE
5 PL_SLE
4 I2CREADY
3 PL_SDA
2 PL_SCL
1 GND
OPEN
GND
R6609
100
R6610
OPEN
GND
R6611
1k
R6612
OPEN
C6604
OPEN
GND
R6613 OPEN
R6614 OPEN
BS_5V
STB_5V
001X
002X
001X
-0R0W
A/QR/-X
A/QR/-X
-100X
-220X

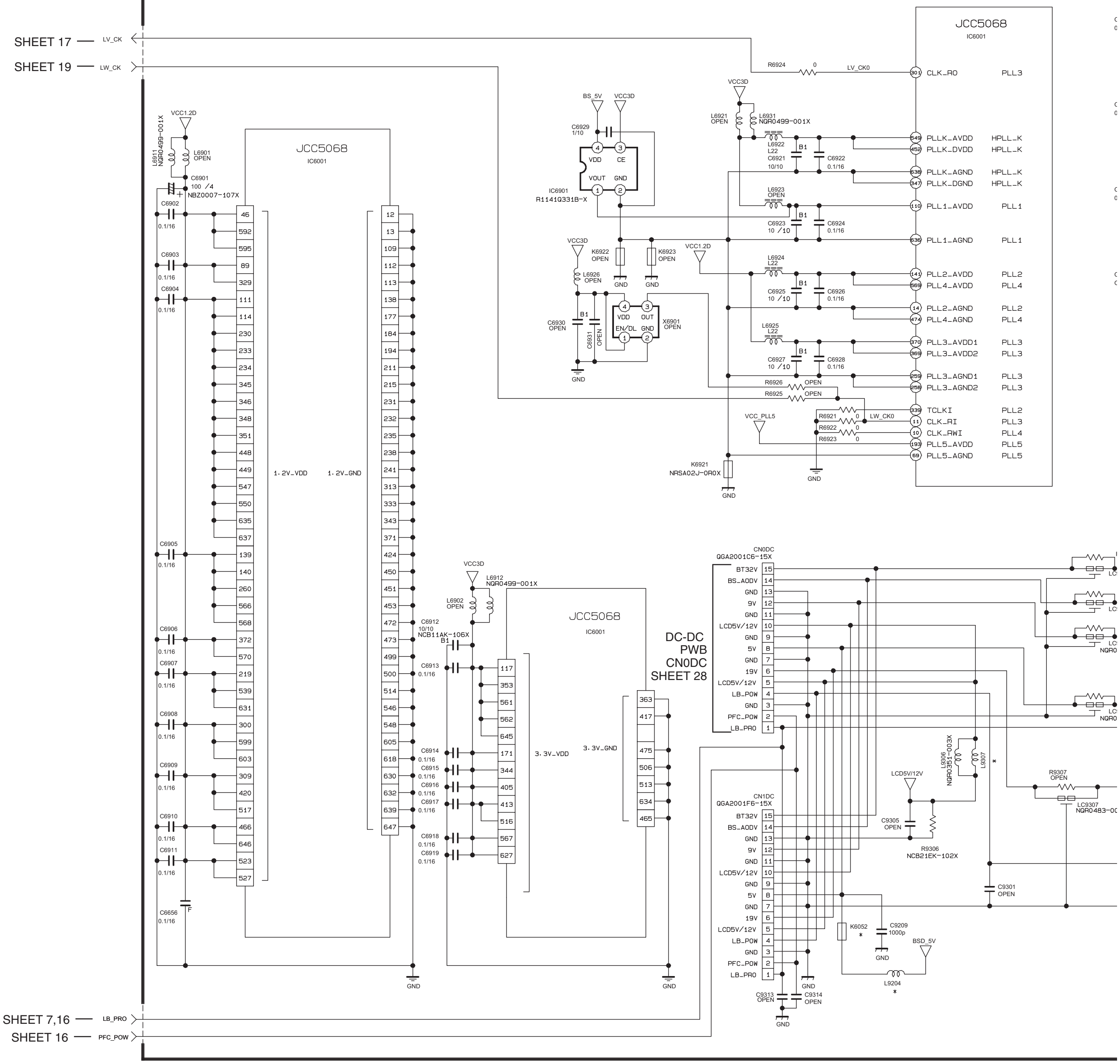
# DIGITAL PWB ASS'Y (14/16)
SFL0D189A-M2 [LT-40X667/S]
SFL0D186A-M2 [LT-40X787/S]
SFL0D171A-M2 [LT-40X887/S]

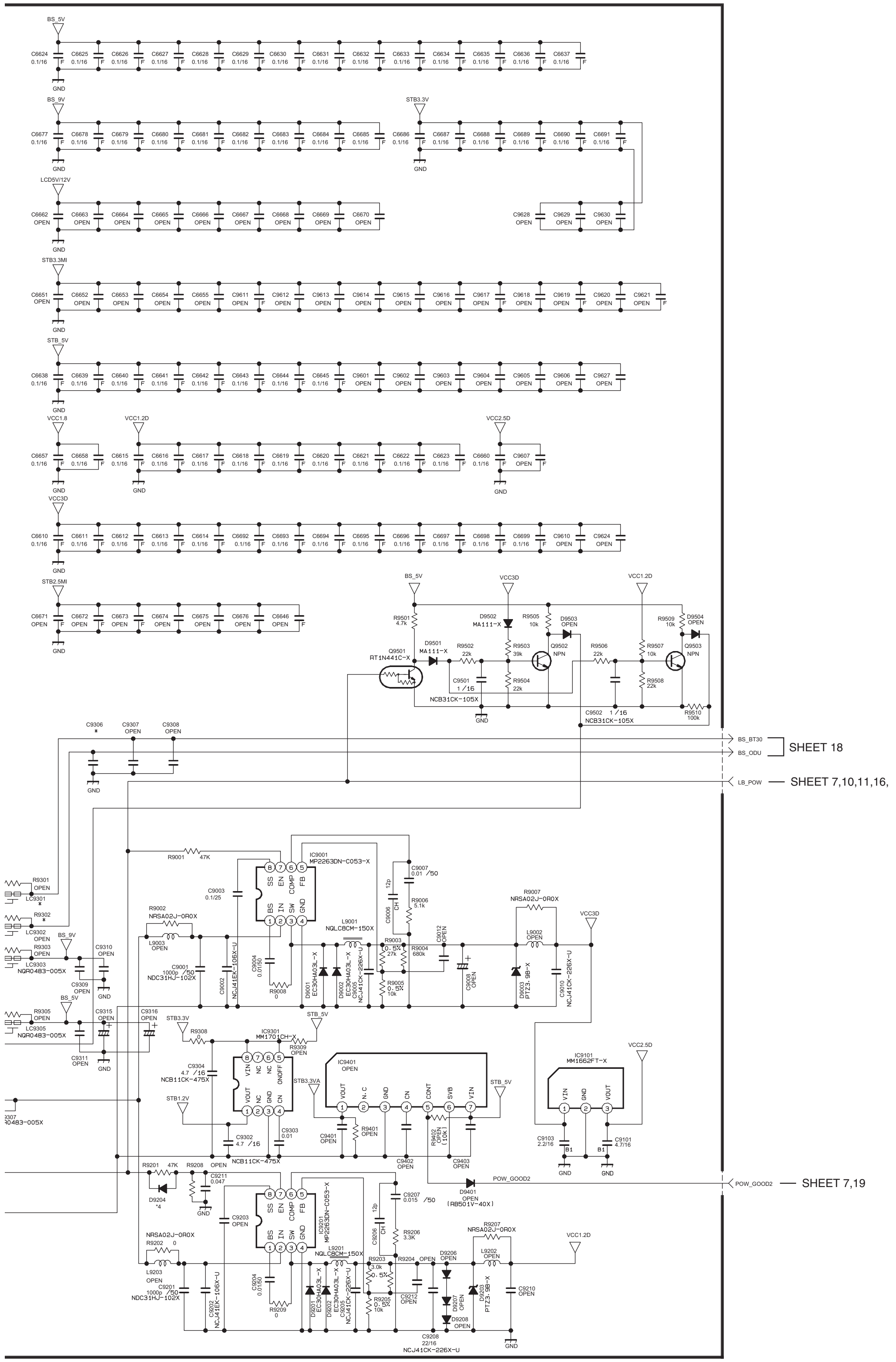
## * DIFFERENCE LIST

| TYPE | LCD | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | JPN | | | US | | | | | |
| MODEL | LT-46LH800 | LT-37LC85 | LT-26LC80 | LT-40X887 /X787 | LT-37X887 /X787/X667 | LT-32X887 /X787 | LT-32XM57 | LT-46FH97 /40FH97 | LT-46FN97 /40FN97 |
| ASSY NO. | SFL-0D071A | SFL-0D072A | SFL-0D074A | SFL-0D171A etc | SFL-0D172A etc | SFL-0D173A 175A,178A etc | SFL-0D180A | SFL-0D182A etc | SFL-0D184A etc |
| | 0LLC10547 | 0LLC10547 -02 | 0LLC10547 -04 | 0LLC10547 -05 etc | 0LLC10547 -06 etc | 0LLC10547 -07 etc | 0LLC10547 -14 | 0LLC10547 -16 etc | 0LLC10547 -18 etc |
| K6052 | *2 | *2 | *2 | OPEN | OPEN | OPEN | OPEN | *2 | *2 |
| L9204 | NQR0562 -014X | NQR0562 -014X | NQR0562 -014X | OPEN | OPEN | OPEN | OPEN | NQR0562 -014X | NQR0562 -014X |
| L9307 | NQR0351 -003X | OPEN | OPEN | NQR0351 -003X | OPEN | OPEN | OPEN | NQR0351 -003X | NQR0351 -003X |
| LC9301 | NQR0470 -003X | NQR0470 -003X | NQR0470 -003X | OPEN | OPEN | OPEN | OPEN | NQR0470 -003X | NQR0470 -003X |
| R9302 | NRSA02J -0R0X | NRSA02J -0R0X | NRSA02J -0R0X | OPEN | OPEN | OPEN | OPEN | NRSA02J -0R0X | NRSA02J -0R0X |
| C9306 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | NRSA63J -0R0X | NRSA63J -0R0X |

## ASSY NO. - MODEL LIST

| ASSY NO. | | MODEL |
|---|---|---|
| SFL-0D071A (LCA10708-51A) | ··· | LT-46LH800A |
| SFL-0D072A (LCA10708-52A) | ··· | LT-37LC85A |
| SFL-0D074A (LCA10708-54A) | ··· | LT-26LC80A |
| SFL-0D171A (LCA10708-55A) | ··· | LT-40X887SA |
| SFL-0D186A (LCA10708-70A) | ··· | LT-40X787SA |
| SFL-0D172A (LCA10708-56A) | ··· | LT-37X887ZA |
| SFL-0D174A (LCA10708-58A) | ··· | LT-37X787ZA |
| SFL-0D173A (LCA10708-57A) | ··· | LT-32X887ZA |
| SFL-0D175A (LCA10708-59A) | ··· | LT-32X787ZA |
| SFL-0D178A (LCA10708-62A) | ··· | LT-32X667ZA |
| SFL-0D180A (LCA10708-64A) | ··· | LT-32XM57ZA |
| SFL-0D182A (LCA10708-66A) | ··· | LT-46FH97SA |
| SFL-0D183A (LCA10708-67A) | ··· | LT-40FH97SA |
| SFL-0D184A (LCA10708-68A) | ··· | LT-46FN97SA |
| SFL-0D185A (LCA10708-69A) | ··· | LT-40FN97SA |


SHEET 17
LV_CK
SHEET 19
LW_CK
SHEET 7,16
LB_PRO
SHEET 16
PFC_POW
JCC5068
IC6001
1.2V_VDD
1.2V_GND
3.3V_VDD
3.3V_GND
VCC1.2D
L6911 NQR0499-001X
L6901 OPEN
C6901 100 /4
NBZ0007-107X
C6902
C6903
C6904
C6905
C6906
C6907
C6908
C6909
C6910
C6911
C6656
0.1/16
VCC3D
L6912 NQR0499-001X
L6902 OPEN
C6912 10/10
NCB11AK-106X
C6913
C6914
C6915
C6916
C6917
C6918
C6919
GND
DC-DC PWB CN0DC SHEET 28
R6924 0 LV_CK0
CLK_RO PLL3
BS_5V
C6929 1/10
IC6901 R1141Q331B-X
VDD CE VOUT GND
L6921 OPEN
L6931 NQR0499-001X
L6922 L22
C6921 10/10
C6922 0.1/16
B1
PLLK_AVDD HPLL_K
PLLK_DVDD HPLL_K
PLLK_AGND HPLL_K
PLLK_DGND HPLL_K
L6923 OPEN
C6923 10 /10
C6924 0.1/16
PLL1_AVDD PLL1
PLL1_AGND PLL1
K6922 OPEN
K6923 OPEN
L6926 OPEN
C6930 OPEN
C6931 OPEN
X6901 OPEN
VDD OUT EN/DL GND
L6924 L22
C6925 10 /10
C6926 0.1/16
PLL2_AVDD PLL2
PLL4_AVDD PLL4
PLL2_AGND PLL2
PLL4_AGND PLL4
L6925 L22
C6927 10 /10
C6928 0.1/16
PLL3_AVDD1 PLL3
PLL3_AVDD2 PLL3
PLL3_AGND1 PLL3
PLL3_AGND2 PLL3
R6926 OPEN
R6925 OPEN
VCC_PLL5
R6921 0 LW_CK0
R6922 0
R6923 0
TCLKI PLL2
CLK_RI PLL3
CLK_RWI PLL4
PLL5_AVDD PLL5
PLL5_AGND PLL5
K6921 NRSA02J-0R0X
CN0DC QGA2001C6-15X
CN1DC QGA2001F6-15X
BT32V
BS_A0DV
9V
LCD5V/12V
5V
19V
LB_POW
PFC_POW
LB_PRO
L9306 NQR0351-003X
L9307 *
LCD5V/12V
C9305 OPEN
R9306 NCB21EK-102X
R9307 OPEN
LC9307 NQR0483-00
C9301 OPEN
K6052 *
C9209 1000p
BSD_5V
L9204 *
C9313 OPEN
C9314 OPEN


BS_5V
C6624 0.1/16
C6625 0.1/16
C6626 0.1/16
C6627 0.1/16
C6628 0.1/16
C6629 0.1/16
C6630 0.1/16
C6631 0.1/16
C6632 0.1/16
C6633 0.1/16
C6634 0.1/16
C6635 0.1/16
C6636 0.1/16
C6637 0.1/16
GND
BS_9V
C6677 0.1/16
C6678 0.1/16
C6679 0.1/16
C6680 0.1/16
C6681 0.1/16
C6682 0.1/16
C6683 0.1/16
C6684 0.1/16
C6685 0.1/16
STB3.3V
C6686 0.1/16
C6687 0.1/16
C6688 0.1/16
C6689 0.1/16
C6690 0.1/16
C6691 0.1/16
LCD5V/12V
C6662 OPEN
C6663 OPEN
C6664 OPEN
C6665 OPEN
C6666 OPEN
C6667 OPEN
C6668 OPEN
C6669 OPEN
C6670 OPEN
C9628 OPEN
C9629 OPEN
C9630 OPEN
STB3.3MI
C6651 OPEN
C6652 OPEN
C6653 OPEN
C6654 OPEN
C6655 OPEN
C9611 OPEN
C9612 OPEN
C9613 OPEN
C9614 OPEN
C9615 OPEN
C9616 OPEN
C9617 OPEN
C9618 OPEN
C9619 OPEN
C9620 OPEN
C9621 OPEN
STB_5V
C6638 0.1/16
C6639 0.1/16
C6640 0.1/16
C6641 0.1/16
C6642 0.1/16
C6643 0.1/16
C6644 0.1/16
C6645 0.1/16
C9601 OPEN
C9602 OPEN
C9603 OPEN
C9604 OPEN
C9605 OPEN
C9606 OPEN
C9627 OPEN
VCC1.8
C6657 0.1/16
C6658 0.1/16
VCC1.2D
C6615 0.1/16
C6616 0.1/16
C6617 0.1/16
C6618 0.1/16
C6619 0.1/16
C6620 0.1/16
C6621 0.1/16
C6622 0.1/16
C6623 0.1/16
VCC2.5D
C6660 0.1/16
C9607 OPEN
VCC3D
C6610 0.1/16
C6611 0.1/16
C6612 0.1/16
C6613 0.1/16
C6614 0.1/16
C6692 0.1/16
C6693 0.1/16
C6694 0.1/16
C6695 0.1/16
C6696 0.1/16
C6697 0.1/16
C6698 0.1/16
C6699 0.1/16
C9610 OPEN
C9624 OPEN
STB2.5MI
C6671 OPEN
C6672 OPEN
C6673 OPEN
C6674 OPEN
C6675 OPEN
C6676 OPEN
C6646 OPEN
R9501 4.7k
Q9501 RT1N441C-X
D9501 MA111-X
R9502 22k
C9501 1/16 NCB31CK-105X
D9502 MA111-X
R9503 39k
R9504 22k
R9505 10k
Q9502 NPN
D9503 OPEN
R9506 22k
C9502 1/16 NCB31CK-105X
R9507 10k
R9508 22k
R9509 10k
D9504 OPEN
Q9503 NPN
R9510 100k
C9306 *
C9307 OPEN
C9308 OPEN
BS_BT30
BS_ODU
SHEET 18
LB_POW
SHEET 7,10,11,16,
R9001 47K
IC9001 MP2263DN-C053-X
SS EN COMP FB BS IN SW GND
C9003 0.1/25
C9007 0.01 /50
C9006 12p CH
R9006 5.1k
R9002 NRSA02J-0R0X
L9003 OPEN
C9001 1000p /50 NDC31HJ-102X
C9002 NCJ41EK-106X-U
C9004 0.0150
R9008 0
L9001 NQLC8CM-150X
D9001 EC30HA03L-X
D9002 EC30HA03L-X
C9005 NCJ41CK-226X-U
R9003 0.5% 27k
R9004 680k
R9005 0.5% 10k
C9012 OPEN
C9008 OPEN
R9007 NRSA02J-0R0X
L9002 OPEN
D9003 PTZ3.9B-X
C9010 NCJ41CK-226X-U
VCC3D
R9301 OPEN
LC9301 *
R9302 *
LC9302 OPEN
R9303 OPEN
LC9303 NQR0483-005X
BS_9V
C9310 OPEN
C9309 OPEN
BS_5V
R9305 OPEN
LC9305 NQR0483-005X
C9315 OPEN
C9316 OPEN
C9311 OPEN
STB3.3V
R9308 0
IC9301 MM1701CH-X
R9309 OPEN
STB_5V
VIN NC NC GNOFF VOUT NC GND CN
C9304 4.7 /16 NCB11CK-475X
STB1.2V
C9302 4.7 /16 NCB11CK-475X
C9303 0.01
307
0483-005X
IC9401 OPEN
VOUT N.C GND CN CONT SVB VIN
STB3.3VA
STB_5V
C9401 OPEN
R9401 OPEN
C9402 OPEN
R9402 OPEN 10k
C9403 OPEN
IC9101 MM1662FT-X
VIN GND VOUT
VCC2.5D
C9103 2.2/16
C9101 4.7/16
B1
R9201 47K
R9208 OPEN
C9211 0.047
D9204 *4
POW_GOOD2
D9401 OPEN (RB501V-40X)
POW_GOOD2
SHEET 7,19
IC9201 MP2263DN-C053-X
C9203 OPEN
C9207 0.015 /50
C9206 12p CH
R9206 3.3K
NRSA02J-0R0X
R9202 0
L9203 OPEN
C9201 1000p /50 NDC31HJ-102X
C9202 NCJ41EK-106X-U
C9204 0.0150
R9209 0
L9201 NQLC8CM-150X
D9201 EC30HA03L-X
D9202 EC30HA03L-X
C9205 NCJ41CK-226X-U
R9203 3.0k 0.5%
R9205 0.5% 10k
R9204 OPEN
C9212 OPEN
D9206 OPEN
D9207 OPEN
D9208 OPEN
C9208 22/16 NCJ41CK-226X-U
R9207 NRSA02J-0R0X
L9202 OPEN
D9203 PTZ3.9B-X
C9210 OPEN
VCC1.2D
GND

NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

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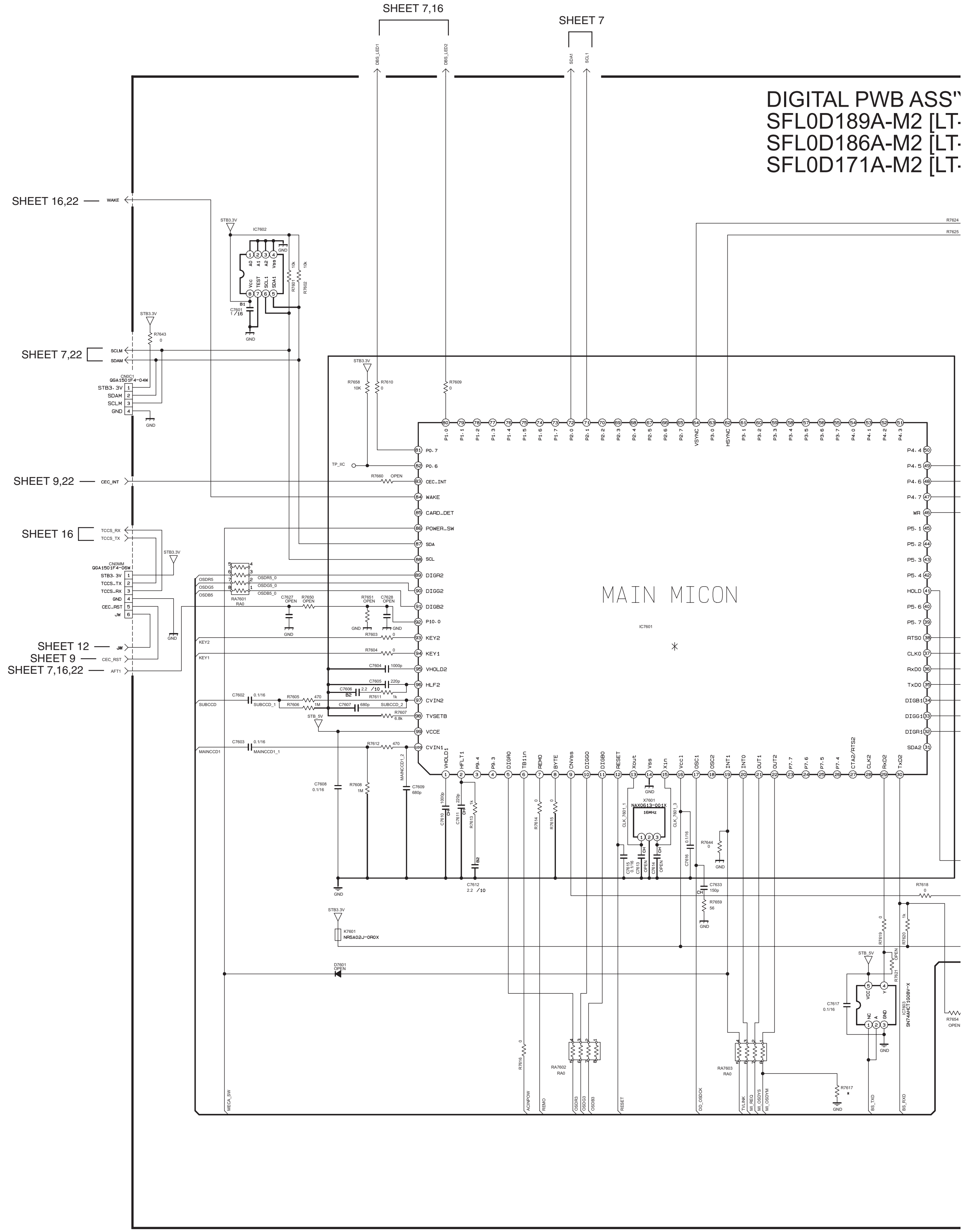
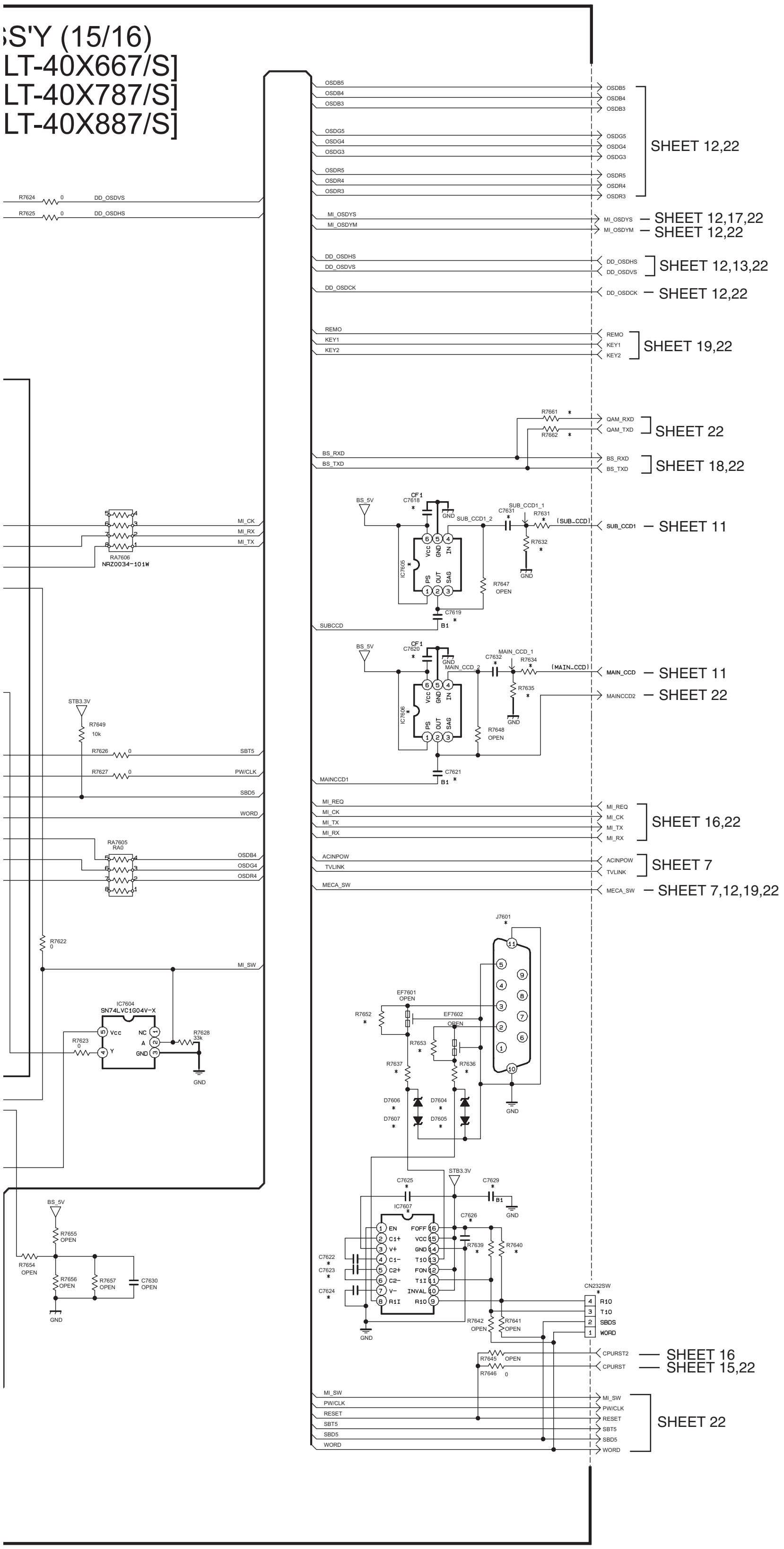
# DIGITAL PWB CIRCUIT DIAGRAM (15/16) SHEET 21



SHEET 7,16
DBS_LED1
DBS_LED2
SHEET 7
SDA1
SCL1
DIGITAL PWB ASS'Y
SFL0D189A-M2 [LT-
SFL0D186A-M2 [LT-
SFL0D171A-M2 [LT-
SHEET 16,22
WAKE
STB3.3V
IC7602
A0
A1
A2
Vss
Vcc
TEST
SCL1
SDA1
R7601 10k
R7602 10k
C7601 1/16
GND
R7643 0
SHEET 7,22
SCLM
SDAM
CN0C1
QGA1501F4-04W
STB3.3V
SDAM
SCLM
GND
R7624
R7625
R7658 10K
R7610 0
R7609 0
TP_IIC
R7660 OPEN
SHEET 9,22
CEC_INT
SHEET 16
TCCS_RX
TCCS_TX
CN0MM
QGA1501F4-06W
STB3.3V
TCCS_TX
TCCS_RX
GND
CEC_RST
JW
RA7601 RA0
OSDR5
OSDG5
OSDB5
OSDR5_0
OSDG5_0
OSDB5_0
C7627 OPEN
R7650 OPEN
R7651 OPEN
C7628 OPEN
KEY2
KEY1
R7603 0
R7604 0
C7604 1000p
C7605 220p
C7606 2.2/10
R7611 1k
C7607 680p
SUBCCD_2
C7602 0.1/16
R7605 470
R7606 1M
SUBCCD
SUBCCD_1
R7607 6.8k
STB_5V
C7603 0.1/16
R7612 470
MAINCCD1
MAINCCD1_1
MAINCCD1_2
SHEET 12
JW
SHEET 9
CEC_RST
SHEET 7,16,22
AFT1
P1.0
P1.1
P1.2
P1.3
P1.4
P1.5
P1.6
P1.7
P2.0
P2.1
P2.2
P2.3
P2.4
P2.5
P2.6
P2.7
VSYNC
P3.0
HSYNC
P3.1
P3.2
P3.3
P3.4
P3.5
P3.6
P3.7
P4.0
P4.1
P4.2
P4.3
P0.7
P0.6
CEC_INT
WAKE
CARD_DET
POWER_SW
SDA
SCL
DIGR2
DIGG2
DIGB2
P10.0
KEY2
KEY1
VHOLD2
HLF2
CVIN2
TVSETB
VCCE
CVIN1
P4.4
P4.5
P4.6
P4.7
WR
P5.1
P5.2
P5.3
P5.4
HOLD
P5.6
P5.7
RTS0
CLK0
RxD0
TxD0
DIGB1
DIGG1
DIGR1
SDA2
MAIN MICON
IC7601
VHOLD1
HFLT1
P9.4
P9.3
DIGR0
TB1in
REMO
BYTE
CNVss
DIGG0
DIGB0
RESET
Xout
Vss
Xin
Vcc1
OSC1
OSC2
INT1
INT0
OUT1
OUT2
P7.7
P7.6
P7.5
P7.4
CTS2/RTS2
CLK2
RxD2
TxD2
C7608 0.1/16
R7608 1M
C7609 680p
C7610 1000p
C7611 220p
R7613 1k
C7612 2.2/10
R7614 0
R7615 0
X7601
NAX0613-001X
16MHz
CLK_7601_1
CLK_7601_3
C7615 0.1/16
C7613 OPEN
C7614 OPEN
C7616 0.1/16
R7644 0
C7633 150p
R7659 56
R7618 0
R7619 0
R7620 1k
K7601
NRSA02J-0R0X
D7601 OPEN
STB_5V
R7621 OPEN
C7617 0.1/16
IC7603
SN74AHCT1G08V-X
R7654 OPEN
R7616 0
RA7602 RA0
RA7603 RA0
R7617
MECA_SW
ACNPOW
REMO
OSDR3
OSDG3
OSDB3
RESET
DD_OSDCK
TVLINK
MI_REQ
MI_OSDYS
MI_OSDYM
BS_TXD
BS_RXD
GND

NOTE : Refer to the part list for the part number of IC7602.

SS'Y (15/16)
LT-40X667/S]
LT-40X787/S]
LT-40X887/S]



OSDB5
OSDB4
OSDB3
OSDG5
OSDG4
OSDG3
OSDR5
OSDR4
OSDR3
SHEET 12,22
R7624 0 DD_OSDVS
R7625 0 DD_OSDHS
MI_OSDYS
MI_OSDYM
SHEET 12,17,22
SHEET 12,22
DD_OSDHS
DD_OSDVS
SHEET 12,13,22
DD_OSDCK
SHEET 12,22
REMO
KEY1
KEY2
SHEET 19,22
R7661 *
R7662 *
QAM_RXD
QAM_TXD
SHEET 22
BS_RXD
BS_TXD
SHEET 18,22
RA7606
NRZ0034-101W
MI_CK
MI_RX
MI_TX
BS_5V
CF1
C7618 *
GND
SUB_CCD1_2
SUB_CCD1_1
C7631 *
R7631 *
(SUB_CCD)
SUB_CCD1
R7632 *
IC7605 *
Vcc GND IN
PS OUT SAG
R7647
OPEN
C7619 *
B1
SUBCCD
SHEET 11
C7620 *
MAIN_CCD_2
MAIN_CCD_1
C7632 *
R7634 *
(MAIN_CCD)
MAIN_CCD
R7635 *
IC7606 *
R7648
OPEN
C7621 *
MAINCCD1
MAINCCD2
SHEET 11
SHEET 22
STB3.3V
R7649
10k
R7626 0
SBT5
R7627 0
PW/CLK
SBD5
WORD
MI_REQ
MI_CK
MI_TX
MI_RX
SHEET 16,22
RA7605
RA0
OSDB4
OSDG4
OSDR4
ACINPOW
TVLINK
SHEET 7
MECA_SW
SHEET 7,12,19,22
J7601 *
R7622
0
MI_SW
IC7604
SN74LVC1G04V-X
Vcc NC A GND Y
R7623
0
R7628
33k
GND
EF7601
OPEN
EF7602
OPEN
R7652 *
R7653 *
R7637 *
R7636 *
D7606 *
D7607 *
D7604 *
D7605 *
C7625 *
STB3.3V
C7629 *
IC7607 *
C7626 *
EN C1+ V+ C1- C2+ C2- V- R1I
FOFF VCC GND T1O FON T1I INVAL R1O
C7622 *
C7623 *
C7624 *
R7639 *
R7640 *
R7642 OPEN
R7641 OPEN
CN232SW *
4 R1O
3 T1O
2 SBDS
1 WORD
BS_5V
R7655 OPEN
R7654 OPEN
R7656 OPEN
R7657 OPEN
C7630 OPEN
R7645 OPEN
R7646 0
CPURST2
CPURST
SHEET 16
SHEET 15,22
MI_SW
PW/CLK
RESET
SBT5
SBD5
WORD
SHEET 22

* DIFFERENCE LIST

| TYPE | LCD | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | JPN | | | US | | | | | |
| MODEL | LT-46LH800 | LT-37LC85 | LT-26LC80 | LT-40X887 /X787 | LT-37X887 /X787/X667 | LT-32X887 /X787 | LT-32XM57 | LT-46FH97 /40FH97 | LT-46FN97 /40FN97 |
| ASSY NO. | SFL-0D071A | SFL-0D072A | SFL-0D074A | SFL-0D171A etc | SFL-0D172A etc | SFL-0D173A 175A,178A etc | SFL-0D180A | SFL-0D182A etc | SFL-0D184A etc |
| | 0LLC10547 | 0LLC10547 -02 | 0LLC10547 -04 | 0LLC10547 -05 etc | 0LLC10547 -06 etc | 0LLC10547 -07 etc | 0LLC10547 -14 | 0LLC10547 -16 etc | 0LLC10547 -18 etc |
| CN232SW | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | QGA1501F4 -04W | OPEN |
| IC7601 | M306V7FG -157FP | M306V7FG -157FP | M306V7FG -157FP | M306V7MG -153FP | M306V7FG -153FP | M306V7FG -153FP | M306V7FG -153FP | M306V7FG -155FP | M306V7FG -155FP |
| IC7605 | OPEN | OPEN | OPEN | MM1673XN -X | MM1673XN -X | MM1673XN -X | MM1673XN -X | MM1673XN -X | MM1673XN -X |
| IC7606 | OPEN | OPEN | OPEN | MM1673XN -X | MM1673XN -X | MM1673XN -X | MM1673XN -X | MM1673XN -X | MM1673XN -X |
| IC7607 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | ICL3221CAZ -X | OPEN |
| J7601 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | QNZ0587 -001 | OPEN |
| D7604 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | MA8120-X | OPEN |
| D7605 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | MA8120-X | OPEN |
| D7606 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | MA8120-X | OPEN |
| D7607 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | MA8120-X | OPEN |
| R7609 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | 0 | 0 |
| R7610 | 0 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | 0 | 0 |
| R7631 | OPEN | OPEN | OPEN | 1k | 1k | 1k | 1k | 1k | 1k |
| R7632 | OPEN | OPEN | OPEN | 2.2k | 2.2k | 2.2k | 2.2k | 2.2k | 2.2k |
| R7634 | OPEN | OPEN | OPEN | 1k | 1k | 1k | 1k | 1k | 1k |
| R7635 | OPEN | OPEN | OPEN | 2.2k | 2.2k | 2.2k | 2.2k | 2.2k | 2.2k |
| R7636 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 1k | OPEN |
| R7637 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 1k | OPEN |
| R7639 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 10k | OPEN |
| R7640 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 10k | OPEN |
| R7652 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0 | OPEN |
| R7653 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0 | OPEN |
| R7661 | OPEN | OPEN | OPEN | 0 | 0 | 0 0 | | OPEN | OPEN |
| R7662 | OPEN | OPEN | OPEN | 0 | 0 | 0 0 | | OPEN | OPEN |
| C7618 | OPEN | OPEN | OPEN | 4.7/16 | 4.7/16 | 4.7/16 | 4.7/16 | 4.7/16 | 4.7/16 |
| C7619 | OPEN | OPEN | OPEN | 10/10 | 10/10 | 10/10 | 10/10 | 10/10 | 10/10 |
| C7620 | OPEN | OPEN | OPEN | 4.7/16 | 4.7/16 | 4.7/16 | 4.7/16 | 4.7/16 | 4.7/16 |
| C7621 | OPEN | OPEN | OPEN | 10/10 | 10/10 | 10/10 | 10/10 | 10/10 | 10/10 |
| C7622 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | OPEN |
| C7623 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | OPEN |
| C7624 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | OPEN |
| C7625 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | OPEN |
| C7626 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0.1/16 | OPEN |
| C7629 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 10/10 | OPEN |
| C7631 | OPEN | OPEN | OPEN | 0.22/10 | 0.22/10 | 0.22/10 | 0.22/10 | 0.22/10 | 0.22/10 |
| C7632 | OPEN | OPEN | OPEN | 0.22/10 | 0.22/10 | 0.22/10 | 0.22/10 | 0.22/10 | 0.22/10 |

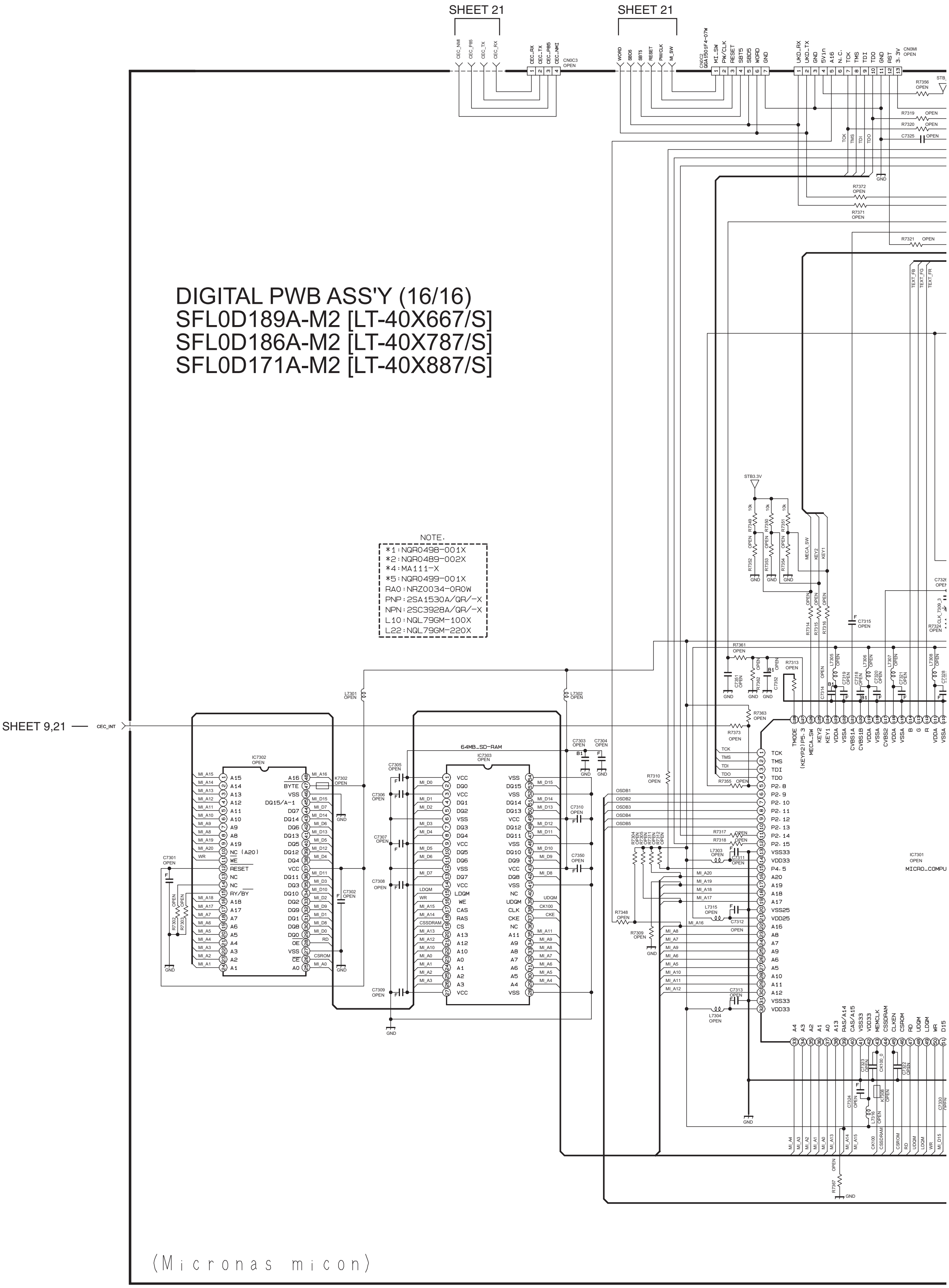
ASSY NO. - MODEL LIST

| | | |
|---|---|---|
| SFL-0D071A<br>(LCA10708-51A) | ··· | LT-46LH800A |
| SFL-0D072A<br>(LCA10708-52A) | ··· | LT-37LC85A |
| SFL-0D074A<br>(LCA10708-54A) | ··· | LT-26LC80A |
| SFL-0D171A<br>(LCA10708-55A) | ··· | LT-40X887SA |
| SFL-0D186A<br>(LCA10708-70A) | ··· | LT-40X787SA |
| SFL-0D172A<br>(LCA10708-56A) | ··· | LT-37X887ZA |
| SFL-0D174A<br>(LCA10708-58A) | ··· | LT-37X787ZA |
| SFL-0D173A<br>(LCA10708-57A) | ··· | LT-32X887ZA |
| SFL-0D175A<br>(LCA10708-59A) | ··· | LT-32X787ZA |
| SFL-0D178A<br>(LCA10708-62A) | ··· | LT-32X667ZA |
| SFL-0D180A<br>(LCA10708-64A) | ··· | LT-32XM57ZA |
| SFL-0D182A<br>(LCA10708-66A) | ··· | LT-46FH97SA |
| SFL-0D183A<br>(LCA10708-67A) | ··· | LT-40FH97SA |
| SFL-0D184A<br>(LCA10708-68A) | ··· | LT-46FN97SA |
| SFL-0D185A<br>(LCA10708-69A) | ··· | LT-40FN97SA |

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:NQR0499-001X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

c10463001a006_0425_6/17_0.0

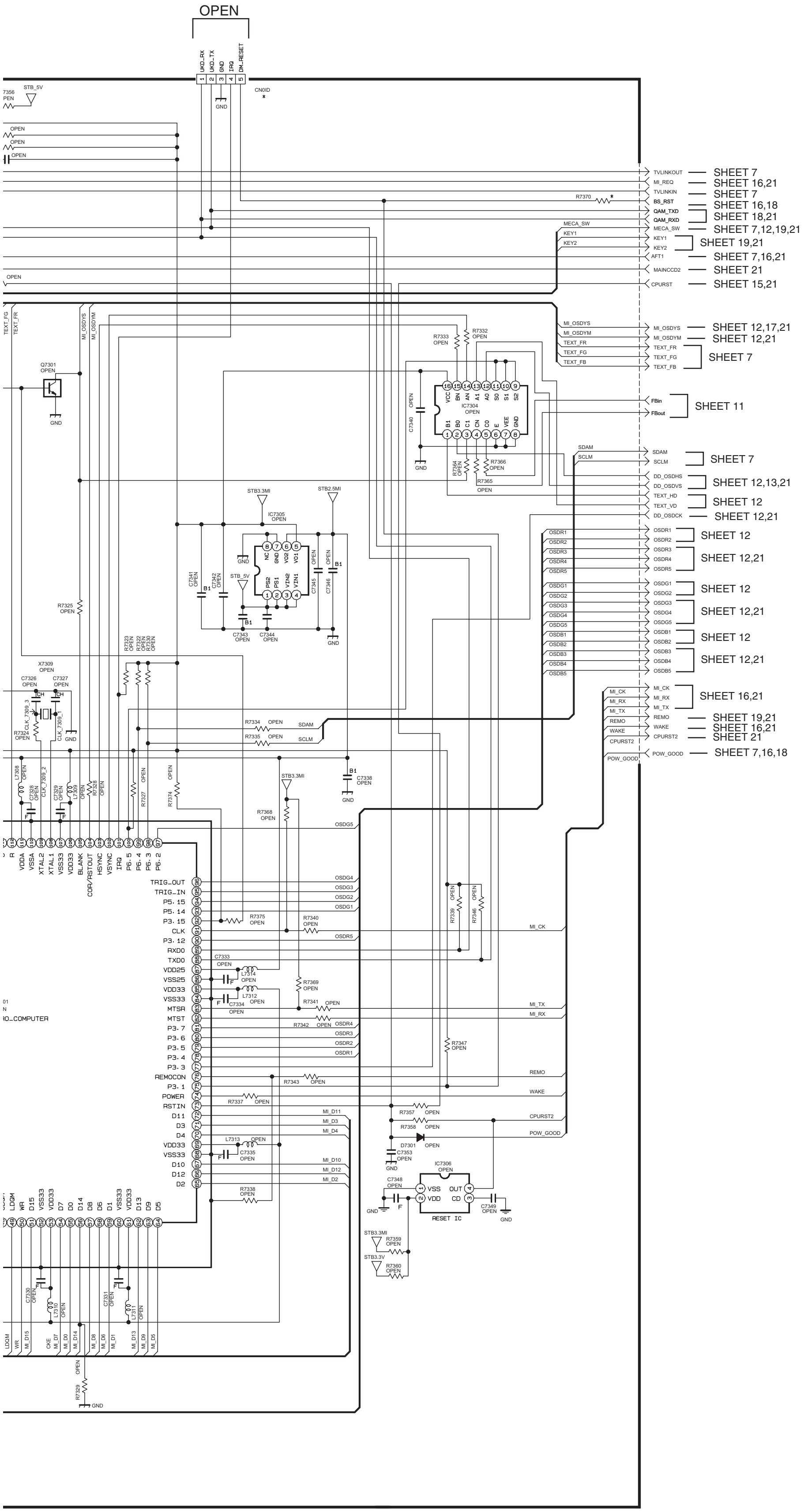
# *DIGITAL PWB CIRCUIT DIAGRAM (16/16) SHEET 22*



DIGITAL PWB ASS'Y (16/16)
SFL0D189A-M2 [LT-40X667/S]
SFL0D186A-M2 [LT-40X787/S]
SFL0D171A-M2 [LT-40X887/S]

NOTE.
- *1:NQR0498-001X
- *2:NQR0489-002X
- *4:MA111-X
- *5:NQR0499-001X
- RA0:NRZ0034-0R0W
- PNP:2SA1530A/QR/-X
- NPN:2SC3928A/QR/-X
- L10:NQL79GM-100X
- L22:NQL79GM-220X

SHEET 21
CEC_NMI
CEC_P85
CEC_TX
CEC_RX
CN0C3 OPEN
SHEET 21
WORD
SBO5
SBT5
RESET
PWCLK
MI_SW
CN0C2 QGA1501F4-07W
MI_SW
PW/CLK
RESET
SBT5
SBO5
WORD
GND
UKD_RX
UKD_TX
GND
5Vin
A16
N.C.
TCK
TMS
TDI
TDO
GND
RST
3.3V
CN0MI OPEN
R7356 OPEN
STB
R7319 OPEN
R7320 OPEN
C7325 OPEN
R7372 OPEN
R7371 OPEN
R7321 OPEN
TEXT_FB
TEXT_FG
TEXT_FR
STB3.3V
R7349
R7350
R7351
10k
R7352
R7353
R7354
OPEN
GND
MECA_SW
KEY2
KEY1
R7314
R7315
R7316
C7315 OPEN
R7324 OPEN
CLK_7309_3
R7361 OPEN
C7351 OPEN
R7362 OPEN
C7352 OPEN
R7313 OPEN
L7305 OPEN
L7306 OPEN
L7307 OPEN
L7308 OPEN
C7319 OPEN
C7318 OPEN
C7320 OPEN
C7321 OPEN
C7329 OPEN
C7314 OPEN
R7363 OPEN
R7373 OPEN
SHEET 9,21
CEC_INT
L7301 OPEN
L7302 OPEN
IC7302 OPEN
K7302 OPEN
A15
A14
A13
A12
A11
A10
A9
A8
A19
NC (A20)
WE
RESET
NC
NC
RY/BY
A18
A17
A7
A6
A5
A4
A3
A2
A1
A16
BYTE
VSS
DQ15/A-1
DQ7
DQ14
DQ6
DQ13
DQ5
DQ12
DQ4
VCC
DQ11
DQ3
DQ10
DQ2
DQ9
DQ1
DQ8
DQ0
OE
VSS
CE
A0
C7301 OPEN
R7301
R7302
C7302 OPEN
64MB_SD-RAM
IC7303 OPEN
VCC
DQ0
DQ1
DQ2
DQ3
DQ4
DQ5
DQ6
DQ7
LDQM
WE
CAS
RAS
CS
A13
A12
A10
A0
A1
A2
A3
VSS
DQ15
DQ14
DQ13
DQ12
DQ11
DQ10
DQ9
DQ8
NC
UDQM
CLK
CKE
A11
A9
A8
A7
A6
A5
A4
C7303 OPEN
C7304 OPEN
C7305 OPEN
C7306 OPEN
C7307 OPEN
C7308 OPEN
C7309 OPEN
C7310 OPEN
C7350 OPEN
CSSDRAM
CSROM
RD
CK100
GND
OSDB1
OSDB2
OSDB3
OSDB4
OSDB5
R7310 OPEN
R7355 OPEN
R7317 OPEN
R7318 OPEN
L7303 OPEN
C7311 OPEN
L7315 OPEN
C7312 OPEN
R7348 OPEN
R7309 OPEN
C7313 OPEN
L7304 OPEN
TCK
TMS
TDI
TDO
P2.8
P2.9
P2.10
P2.11
P2.12
P2.13
P2.14
P2.15
VSS33
VDD33
P4.5
A20
A19
A18
A17
VSS25
VDD25
A16
A8
A7
A9
A6
A5
A10
A11
A12
VSS33
VDD33
TMODE
(KEYP2)P5.3
MECA_SW
KEY2
KEY1
VDDA
VSSA
CVBS1A
CVBS1B
VDDA
VSSA
CVBS2
VDDA
VSSA
B
G
R
VDDA
VSSA
IC7301 OPEN
MICRO_COMPU
A4
A3
A2
A1
A0
A13
RAS/A14
CAS/A15
VSS33
VDD33
MEMCLK
CSSDRAM
CLKEN
CSROM
RD
UDQM
LDQM
WR
D15
C7324 OPEN
C7322 OPEN
C7323 OPEN
CK100_0
K7301 OPEN
L7316 OPEN
C7330 OPEN
R7307 OPEN
GND
(Micronas micon)


OPEN
UKD_RX
UKD_TX
GND
IRQ
DM_RESET
CN0ID
*
STB_5V
TVLINKOUT
MI_REQ
TVLINKIN
BS_RST
QAM_TXD
QAM_RXD
MECA_SW
KEY1
KEY2
AFT1
MAINCCD2
CPURST
SHEET 7
SHEET 16,21
SHEET 7
SHEET 16,18
SHEET 18,21
SHEET 7,12,19,21
SHEET 19,21
SHEET 7,16,21
SHEET 21
SHEET 15,21
R7370
MI_OSDYS
MI_OSDYM
TEXT_FR
TEXT_FG
TEXT_FB
SHEET 12,17,21
SHEET 12,21
SHEET 7
FBin
FBout
SHEET 11
IC7304
OPEN
SDAM
SCLM
SHEET 7
DD_OSDHS
DD_OSDVS
TEXT_HD
TEXT_VD
DD_OSDCK
SHEET 12,13,21
SHEET 12
SHEET 12,21
IC7305
OPEN
OSDR1
OSDR2
OSDR3
OSDR4
OSDR5
SHEET 12
SHEET 12,21
OSDG1
OSDG2
OSDG3
OSDG4
OSDG5
SHEET 12
SHEET 12,21
OSDB1
OSDB2
OSDB3
OSDB4
OSDB5
SHEET 12
SHEET 12,21
MI_CK
MI_RX
MI_TX
SHEET 16,21
REMO
WAKE
CPURST2
SHEET 19,21
SHEET 16,21
SHEET 21
POW_GOOD
SHEET 7,16,18
Q7301
X7309
TRIG_OUT
TRIG_IN
P5.15
P5.14
P3.15
CLK
P3.12
RXD0
TXD0
VDD25
VSS25
VDD33
VSS33
MTSR
MTST
P3.7
P3.6
P3.5
P3.4
P3.3
REMOCON
P3.1
POWER
RSTIN
D11
D3
D4
VDD33
VSS33
D10
D12
D2
VDDA
VSS4
XTAL2
XTAL1
VSS33
VDD33
BLANK
COR/RSTOUT
HSYNC
VSYNC
IRQ
P6.5
P6.4
P6.3
P6.2
RO_COMPUTER
IC7306
OPEN
VSS
VDD
OUT
CD
RESET IC
D7301
STB3.3MI
STB3.3V
GND

# * DIFFERENCE LIST

| TYPE | LCD | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | JPN | | | US | | | | | |
| MODEL | LT-46LH800 | LT-37LC85 | LT-26LC80 | LT-40X887 /X787 | LT-37X887 /X787/X667 | LT-32X887 /X787 | LT-32XM57 | LT-46FH97 /40FH97 | LT-46FN97 /40FN97 |
| ASSY NO. | SFL-0D071A | SFL-0D072A | SFL-0D074A | SFL-0D171A etc | SFL-0D172A etc | SFL-0D173A 175A,178A etc | SFL-0D180A | SFL-0D182A etc | SFL-0D184A etc |
| | 0LLC10547 | 0LLC10547 -02 | 0LLC10547 -04 | 0LLC10547 -05 etc | 0LLC10547 -06 etc | 0LLC10547 -07 etc | 0LLC10547 -14 | 0LLC10547 -16 etc | 0LLC10547 -18 etc |
| CN0ID | OPEN | OPEN | OPEN | QGA1217F1 -05X | QGA1217F1 -05X | QGA1217F1 -05X | QGA1217F1 -05X | OPEN | OPEN |
| R7370 | OPEN | OPEN | OPEN | 0 | 0 | 0 | 0 | OPEN | OPEN |

## ASSY NO. - MODEL LIST

SFL-0D071A ··· LT-46LH800A
(LCA10708-51A)
SFL-0D072A ··· LT-37LC85A
(LCA10708-52A)
SFL-0D074A ··· LT-26LC80A
(LCA10708-54A)

SFL-0D171A ··· LT-40X887SA
(LCA10708-55A)
SFL-0D186A ··· LT-40X787SA
(LCA10708-70A)

SFL-0D172A ··· LT-37X887ZA
(LCA10708-56A)
SFL-0D174A ··· LT-37X787ZA
(LCA10708-58A)

SFL-0D173A ··· LT-32X887ZA
(LCA10708-57A)
SFL-0D175A ··· LT-32X787ZA
(LCA10708-59A)
SFL-0D178A ··· LT-32X667ZA
(LCA10708-62A)

SFL-0D180A ··· LT-32XM57ZA
(LCA10708-64A)

SFL-0D182A ··· LT-46FH97SA
(LCA10708-66A)
SFL-0D183A ··· LT-40FH97SA
(LCA10708-67A)

SFL-0D184A ··· LT-46FN97SA
(LCA10708-68A)
SFL-0D185A ··· LT-40FN97SA
(LCA10708-69A)

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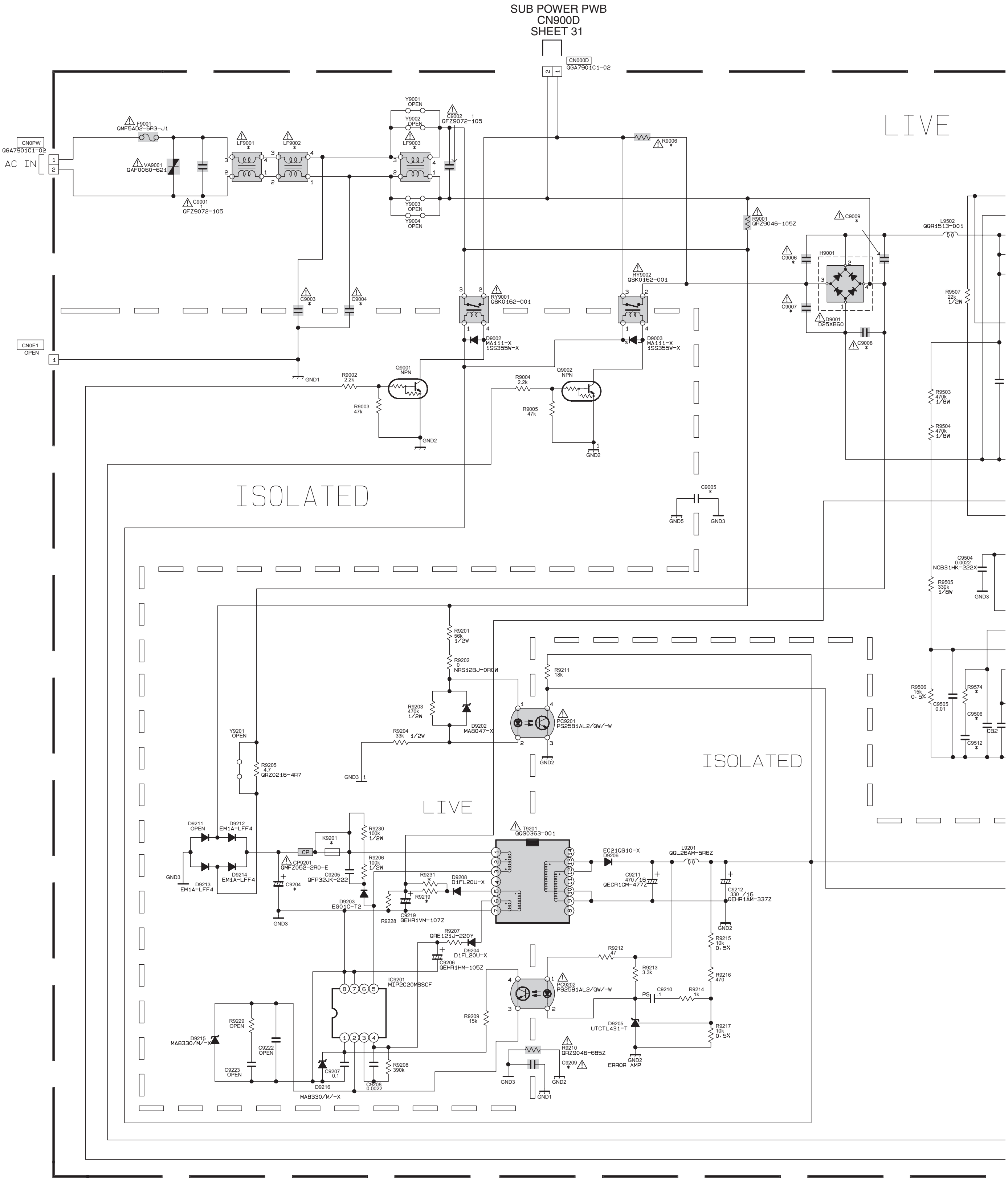
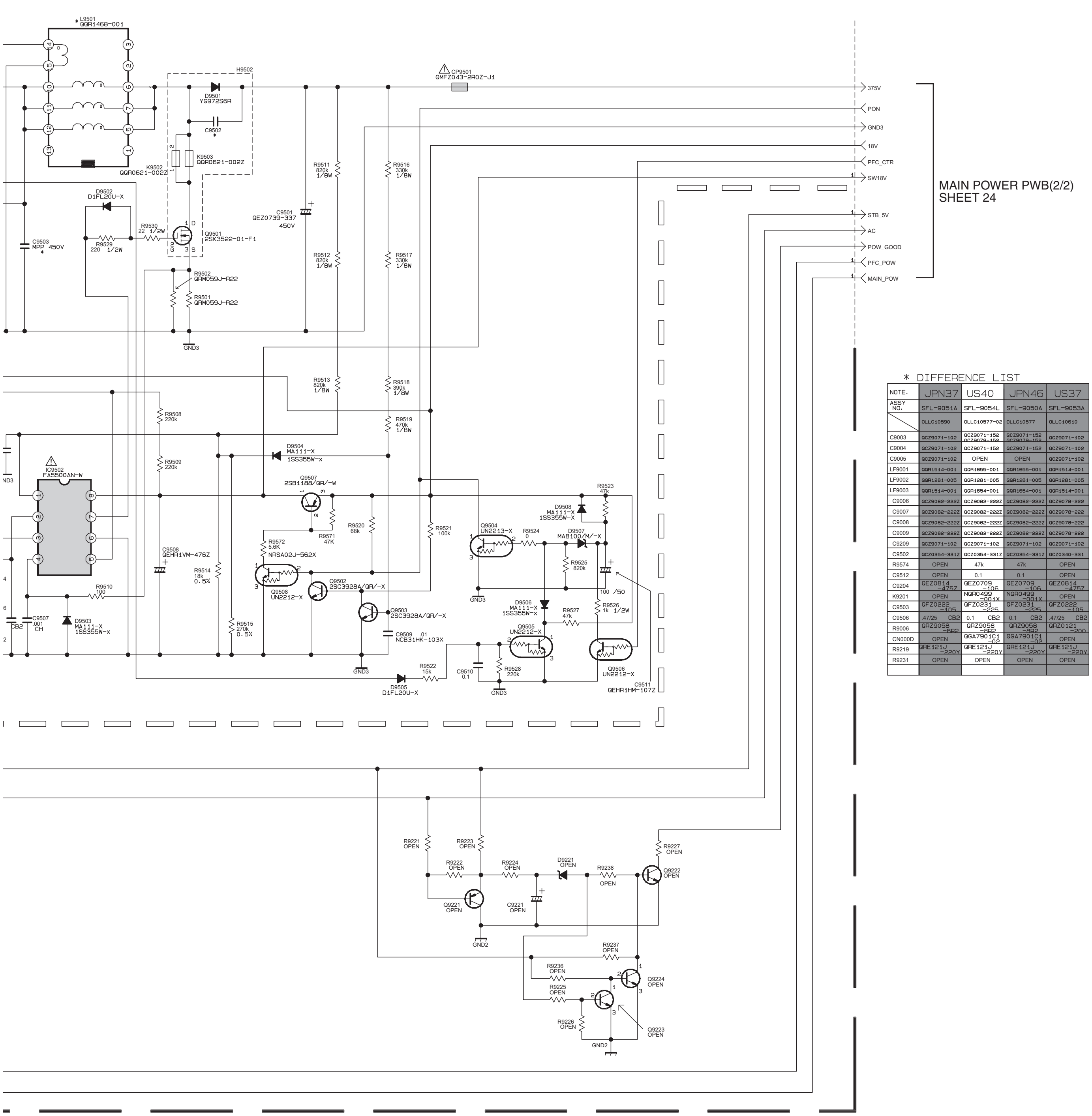
# *MAIN POWER PWB CIRCUIT DIAGRAM (1/2) SHEET 23*



SUB POWER PWB
CN900D
SHEET 31
CN000D
QGA7901C1-02
LIVE
CN0PW
QGA7901C1-02
AC IN
F9001
QMF5AD2-6R3-J1
VA9001
QAF0060-621
C9001
QFZ9072-105
LF9001
LF9002
Y9001 OPEN
Y9002 OPEN
LF9003
Y9003 OPEN
Y9004 OPEN
C9002
QFZ9072-105
R9006
R9001
QRZ9046-105Z
C9009
L9502
QQR1513-001
H9001
C9006
C9007
D9001
D25XB60
C9008
R9507 22k 1/2W
C9003
C9004
RY9001
QSK0162-001
RY9002
QSK0162-001
D9002
MA111-X
1SS355W-X
D9003
MA111-X
1SS355W-X
CN0E1
OPEN
GND1
R9002 2.2k
Q9001 NPN
R9003 47k
GND2
R9004 2.2k
Q9002 NPN
R9005 47k
GND2
R9503 470k 1/8W
R9504 470k 1/8W
ISOLATED
C9005
GND5
GND3
C9504 0.0022
NCB31HK-222X
R9505 330k 1/8W
GND3
R9201 56k 1/2W
R9202 0
NRS12BJ-0R0W
R9211 18k
R9203 470k 1/2W
D9202
MA8047-X
PC9201
PS2581AL2/QW/-W
R9204 33k 1/2W
GND3
GND2
Y9201 OPEN
R9205 4.7
QRZ0216-4R7
ISOLATED
R9506 15k 0.5%
C9505 0.01
R9574
C9506
C9512
CB2
LIVE
D9211 OPEN
D9212 EM1A-LFF4
GND3
D9213 EM1A-LFF4
D9214 EM1A-LFF4
CP
K9201
CP9201
QMFZ052-2R0-E
C9204
C9205
QFP32JK-222
R9230 100k 1/2W
R9206 100k 1/2W
R9231
R9219
D9208
D1FL20U-X
D9203
EG01C-T2
R9228
C9219
QEHR1VM-107Z
GND3
T9201
QQS0363-001
EC21QS10-X
D9206
C9211 470 /16
QECR1CM-477Z
L9201
QQL26AM-5R6Z
C9212 330 /16
QEHR1AM-337Z
GND2
R9207
QRE121J-220Y
D9204
D1FL20U-X
C9206
QEHR1HM-105Z
R9212 47
R9215 10k 0.5%
IC9201
MIP2C20MSSCF
PC9202
PS2581AL2/QW/-W
R9213 3.3k
PS
C9210 1
R9214 1k
R9216 470
R9209 15k
D9205
UTCTL431-T
R9217 10k 0.5%
R9229 OPEN
D9215
MA8330/M/-X
C9222 OPEN
C9223 OPEN
C9207 0.1
D9216
MA8330/M/-X
C9208 0.0022
R9208 390k
R9210
QRZ9046-685Z
C9209
GND3
GND2
GND1
GND2
ERROR AMP

# MAIN POWER PWB ASS'Y (1/2)
# SFL-9060A-M2



*L9501
QQR1468-001
H9502
D9501
YG972S6R
C9502
*
K9503
QQR0621-002Z
K9502
QQR0621-002Z
CP9501
QMFZ043-2R0Z-J1
D9502
D1FL20U-X
R9530
22 1/2W
R9529
220 1/2W
Q9501
2SK3522-01-F1
C9503
MPP 450V
*
R9502
QRM059J-R22
R9501
QRM059J-R22
GND3
C9501
QEZ0739-337
450V
R9511
820k
1/8W
R9512
820k
1/8W
R9516
330k
1/8W
R9517
330k
1/8W
R9513
820k
1/8W
R9518
390k
1/8W
R9519
470k
1/8W
R9508
220k
R9509
220k
IC9502
FA5500AN-W
C9508
QEHR1VM-476Z
R9514
18k
0.5%
R9515
270k
0.5%
R9510
100
C9507
.001
CH
CB2
D9503
MA111-X
1SS355W-x
D9504
MA111-X
1SS355W-x
Q9507
2SB1188/QR/-W
R9571
47K
R9572
5.6K
NRSA02J-562X
R9520
68k
R9521
100k
Q9508
UN2212-X
Q9502
2SC3928A/QR/-X
Q9503
2SC3928A/QR/-X
C9509 .01
NCB31HK-103X
GND3
D9505
D1FL20U-X
R9522
15k
C9510
0.1
R9528
220k
GND3
Q9504
UN2213-X
R9524
0
D9508
MA111-X
1SS355W-X
R9523
47k
D9507
MA8100/M/-X
R9525
820k
100 /50
D9506
MA111-X
1SS355W-x
R9527
47k
R9526
1k 1/2W
Q9505
UN2212-X
Q9506
UN2212-X
C9511
QEHR1HM-107Z
375V
PON
GND3
18V
PFC_CTR
SW18V
STB_5V
AC
POW_GOOD
PFC_POW
MAIN_POW
MAIN POWER PWB(2/2)
SHEET 24
R9221
OPEN
R9223
OPEN
R9222
OPEN
R9224
OPEN
D9221
OPEN
R9238
OPEN
R9227
OPEN
Q9222
OPEN
Q9221
OPEN
C9221
OPEN
GND2
R9237
OPEN
R9236
OPEN
R9225
OPEN
Q9224
OPEN
R9226
OPEN
Q9223
OPEN
GND2

* DIFFERENCE LIST

| NOTE. | JPN37 | US40 | JPN46 | US37 |
|---|---|---|---|---|
| ASSY NO. | SFL-9051A | SFL-9054L | SFL-9050A | SFL-9053A |
| | 0LLC10590 | 0LLC10577-02 | 0LLC10577 | 0LLC10610 |
| C9003 | QCZ9071-102 | QCZ9071-152<br>QCZ9079-152 | QCZ9071-152<br>QCZ9079-152 | QCZ9071-102 |
| C9004 | QCZ9071-102 | QCZ9071-152 | QCZ9071-152 | QCZ9071-102 |
| C9005 | QCZ9071-102 | OPEN | OPEN | QCZ9071-102 |
| LF9001 | QQR1514-001 | QQR1655-001 | QQR1655-001 | QQR1514-001 |
| LF9002 | QQR1281-005 | QQR1281-005 | QQR1281-005 | QQR1281-005 |
| LF9003 | QQR1514-001 | QQR1654-001 | QQR1654-001 | QQR1514-001 |
| C9006 | QCZ9082-222Z | QCZ9082-222Z | QCZ9082-222Z | QCZ9078-222 |
| C9007 | QCZ9082-222Z | QCZ9082-222Z | QCZ9082-222Z | QCZ9078-222 |
| C9008 | QCZ9082-222Z | QCZ9082-222Z | QCZ9082-222Z | QCZ9078-222 |
| C9009 | QCZ9082-222Z | QCZ9082-222Z | QCZ9082-222Z | QCZ9078-222 |
| C9209 | QCZ9071-102 | QCZ9071-102 | QCZ9071-102 | QCZ9071-102 |
| C9502 | QCZ0354-331Z | QCZ0354-331Z | QCZ0354-331Z | QCZ0340-331 |
| R9574 | OPEN | 47k | 47k | OPEN |
| C9512 | OPEN | 0.1 | 0.1 | OPEN |
| C9204 | QEZ0814 -475Z | QEZ0709 -106 | QEZ0709 -106 | QEZ0814 -475Z |
| K9201 | OPEN | NQR0499 -001X | NQR0499 -001X | OPEN |
| C9503 | QFZ0222 -105 | QFZ0231 -225 | QFZ0231 -225 | QFZ0222 -105 |
| C9506 | .47/25 CB2 | 0.1 CB2 | 0.1 CB2 | .47/25 CB2 |
| R9006 | QRZ9058 -8R2 | QRZ9058 -8R2 | QRZ9058 -8R2 | QRZ0121 -200 |
| CN000D | OPEN | QGA7901C1 -02 | QGA7901C1 -02 | OPEN |
| R9219 | QRE121J -220Y | QRE121J -220Y | QRE121J -220Y | QRE121J -220Y |
| R9231 | OPEN | OPEN | OPEN | OPEN |
| | | | | |

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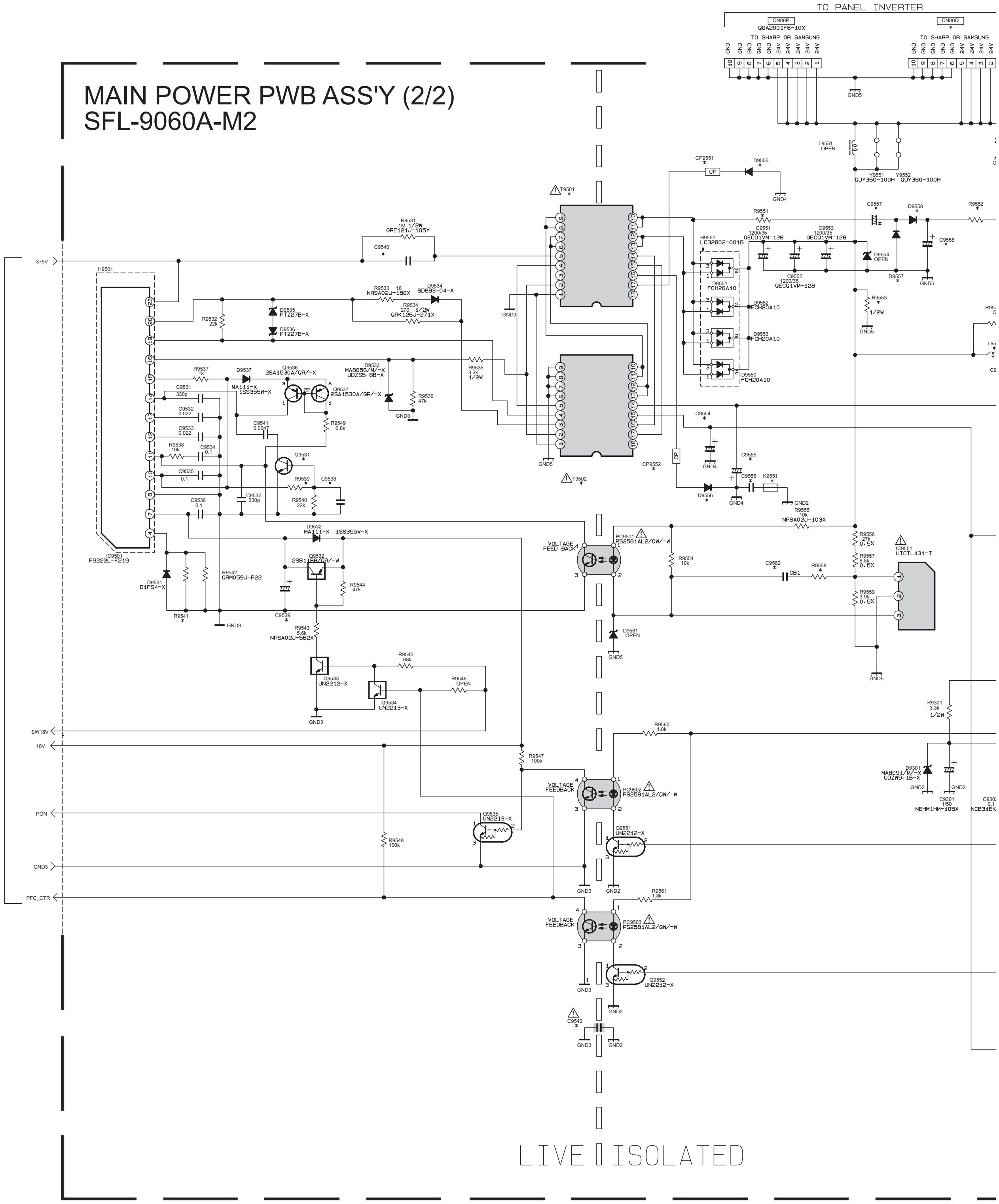
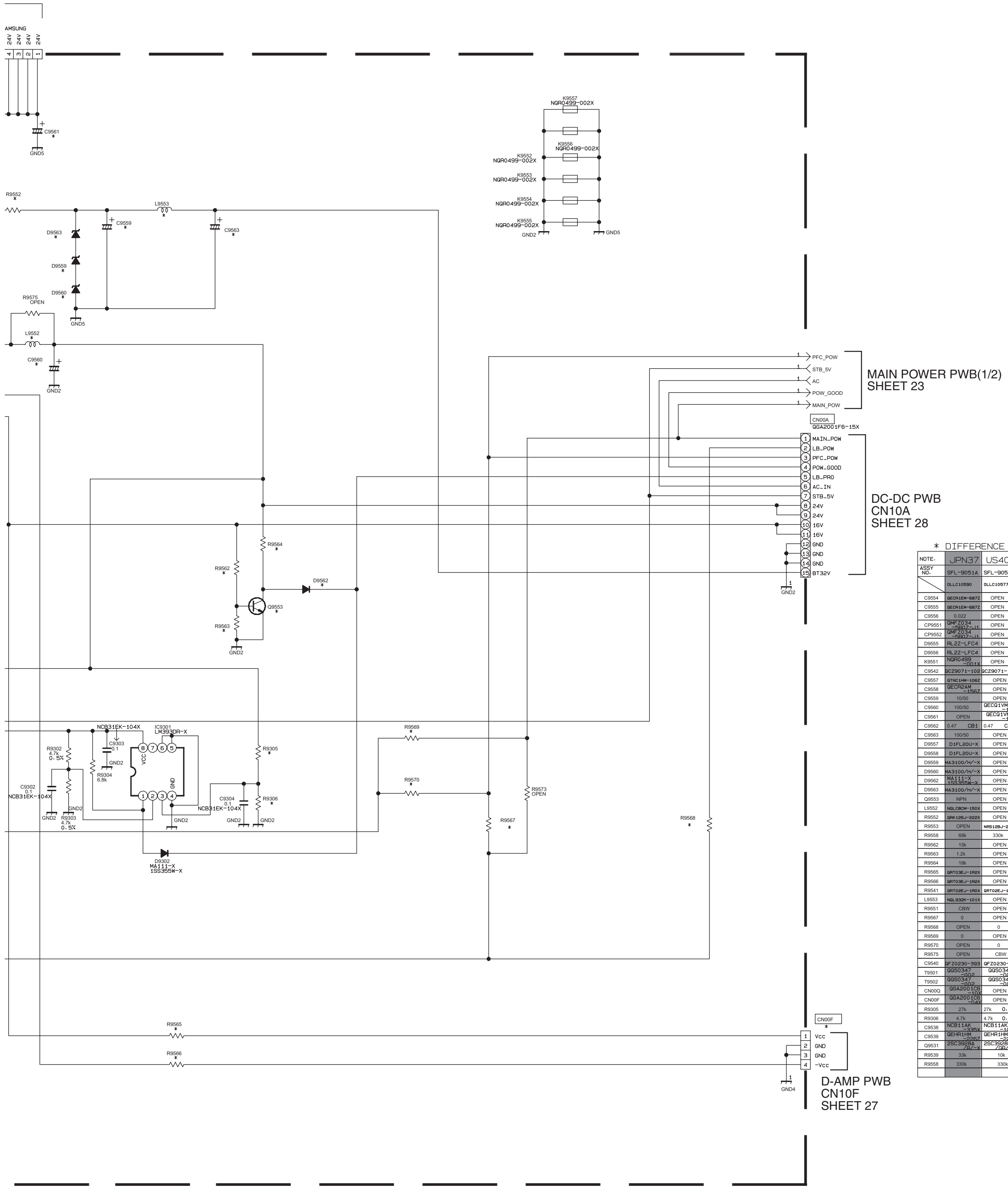
## MAIN POWER PWB CIRCUIT DIAGRAM (2/2) SHEET 24

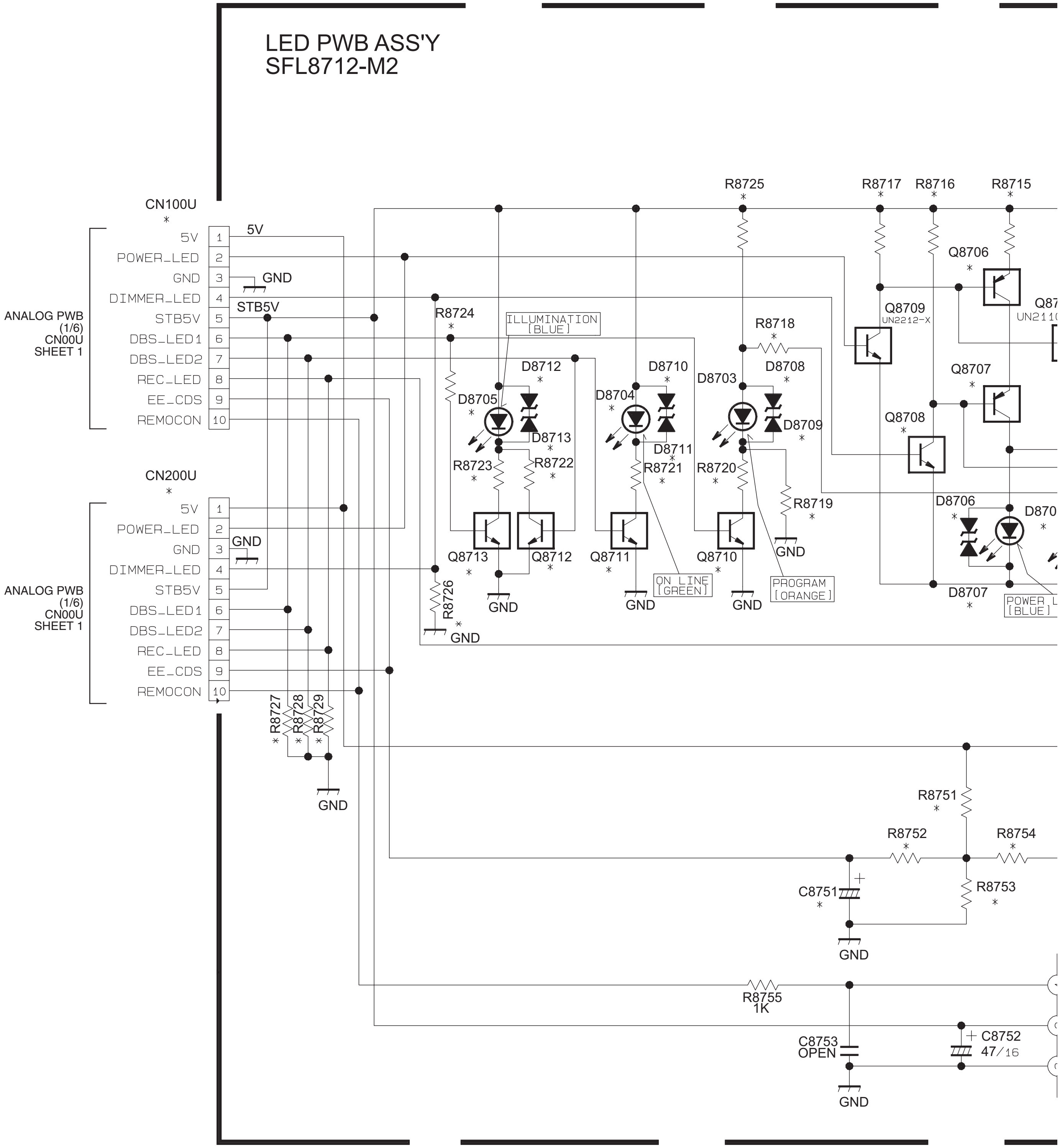

MAIN POWER PWB ASS'Y (2/2)
SFL-9060A-M2
TO PANEL INVERTER
CN00P
QGA2001F6-10X
TO SHARP OR SAMSUNG
CN00Q
GND
24V
GND5
L9551 OPEN
Y9551 QUY360-100H
Y9552 QUY360-100H
CP9551
D9555
GND4
T9501
R9551
C9557
D9558
R9552
H9551 LC32802-001B
C9551 1200/35 QECQ1VM-128
C9553 1200/35 QECQ1VM-128
C9552 1200/35 QECQ1VM-128
C9558
D9554 OPEN
D9557
D9551 FCH20A10
D9552 FCH20A10
D9553 FCH20A10
D9550 FCH20A10
R9553 1/2W
R9531 1M 1/2W QRE121J-105Y
C9540
375V
H9501
R9533 18 NRSA02J-180X
D9534 SD883-04-X
R9534 270 1/2W QRK126J-271X
R9532 22k
D9535 PTZ27B-X
D9536 PTZ27B-X
R9537 1k
D9537 MA111-X 1SS355W-X
Q9536 2SA1530A/QR/-X
Q9537 2SA1530A/QR/-X
D9533 MA8056/M/-X UDZS5.6B-X
R9535 3.3k 1/2W
R9536 47k
GND3
C9531 330p
C9532 0.022
C9533 0.022
C9541 0.0047
R9549 6.8k
R9538 10k
C9534 0.1
Q9531
C9535 0.1
R9539
C9538
C9536 0.1
C9537 330p
R9540 22k
IC9501 F9222L-F219
D9532 MA111-X 1SS355W-X
Q9532 2SB1188/QR/-W
R9544 47k
D9531 D1FS4-X
R9542 QRM059J-R22
R9541
C9539
R9543 5.6k NRSA02J-562X
Q9533 UN2212-X
R9545 68k
Q9534 UN2213-X
R9546 OPEN
C9554
C9555
CP9552
CP
D9556
C9556
K9551
GND2
T9502
R9555 10k NRSA02J-103X
PC9501 PS2581AL2/QW/-W
VOLTAGE FEED BACK
R9554 10k
C9562
CB1
R9558
R9556 27k 0.5%
R9557 6.8k 0.5%
R9559 3.9k 0.5%
IC9551 UTCTL431-T
D9561 OPEN
MAIN POWER PWB (1/2) SHEET 23
SW18V
18V
PON
GND3
PFC_CTR
R9547 100k
R9548 100k
Q9535 UN2213-X
R9560 1.8k
PC9502 PS2581AL2/QW/-W
VOLTAGE FEEDBACK
Q9551 UN2212-X
R9561 1.8k
PC9503 PS2581AL2/QW/-W
Q9552 UN2212-X
C9542
R9301 3.3k 1/2W
D9301 MA8091/M/-X UDZW9.1B-X
C9301 1/50 NEHM1HM-105X
NCB31EK
LIVE ISOLATED

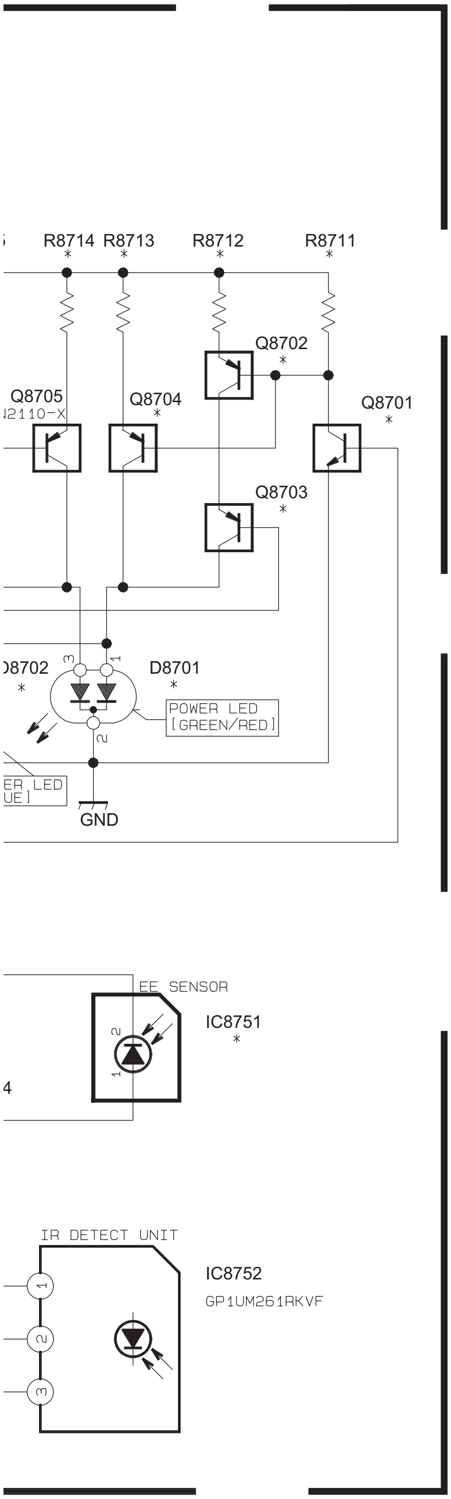

AMSUNG
24V
24V
24V
24V
4
3
2
1
C9561
*
GND5
R9552
*
D9563
*
D9559
*
D9560
*
C9559
*
L9553
*
C9563
*
GND5
R9575
OPEN
L9552
*
C9560
*
GND2
K9557
NQR0499-002X
K9556
NQR0499-002X
K9552
NQR0499-002X
K9553
NQR0499-002X
K9554
NQR0499-002X
K9555
NQR0499-002X
GND2
GND5
PFC_POW
STB_5V
AC
POW_GOOD
MAIN_POW
MAIN POWER PWB(1/2)
SHEET 23
CN00A
QGA2001F6-15X
1 MAIN_POW
2 LB_POW
3 PFC_POW
4 POW_GOOD
5 LB_PRO
6 AC_IN
7 STB_5V
8 24V
9 24V
10 16V
11 16V
12 GND
13 GND
14 GND
15 BT32V
GND2
DC-DC PWB
CN10A
SHEET 28
R9564
*
R9562
*
D9562
*
Q9553
*
R9563
*
GND2
NCB31EK-104X
IC9301
LM393DR-X
C9303
0.1
GND2
R9302
4.7k
0.5%
R9304
6.8k
VCC
GND
C9302
0.1
NCB31EK-104X
GND2
GND2
R9303
4.7k
0.5%
GND2
NCB31EK-104X
C9304
0.1
GND2
R9305
*
R9306
*
GND2
D9302
MA111-X
1SS355W-X
R9569
*
R9570
*
R9573
OPEN
R9567
*
R9568
*
R9565
*
R9566
*
CN00F
*
1 Vcc
2 GND
3 GND
4 -Vcc
GND4
D-AMP PWB
CN10F
SHEET 27

* DIFFERENCE LIST

| NOTE. | JPN37 | US40 | JPN46 | US37 |
|---|---|---|---|---|
| ASSY NO. | SFL-9051A | SFL-9054A | SFL-9050A | SFL-9053A |
|  | OLLC10590 | OLLC10577-02 | OLLC10577 | OLLC10610 |
| C9554 | QECR1EM-687Z | OPEN | OPEN | QECR1EM-687Z |
| C9555 | QECR1EM-687Z | OPEN | OPEN | QECR1EM-687Z |
| C9556 | 0.022 | OPEN | OPEN | 0.022 |
| CP9551 | QMFZ034 -5R07-J1 | OPEN | OPEN | QMFZ034 -5R07-J1 |
| CP9552 | QMFZ034 -5R07-J1 | OPEN | OPEN | QMFZ034 -5R07-J1 |
| D9555 | RL2Z-LFC4 | OPEN | OPEN | RL2Z-LFC4 |
| D9556 | RL2Z-LFC4 | OPEN | OPEN | RL2Z-LFC4 |
| K9551 | NQR0499 -001X | OPEN | OPEN | NQR0499 -001X |
| C9542 | QCZ9071-102 | QCZ9071-102 | QCZ9071-102 | QCZ9071-102 |
| C9557 | QTNC1HM-106Z | OPEN | OPEN | QTNC1HM-106Z |
| C9558 | QECR2AM -156Z | OPEN | OPEN | QECR2AM -156Z |
| C9559 | 10/50 | OPEN | OPEN | 10/50 |
| C9560 | 100/50 | QECQ1VM -128 | QECQ1VM -128 | 100/50 |
| C9561 | OPEN | QECQ1VM -128 | QECQ1VM -128 | OPEN |
| C9562 | 0.47 CB1 | 0.47 CB1 | 0.47 CB1 | 0.1 CB1 |
| C9563 | 100/50 | OPEN | OPEN | 100/50 |
| D9557 | D1FL20U-X | OPEN | OPEN | D1FL20U-X |
| D9558 | D1FL20U-X | OPEN | OPEN | D1FL20U-X |
| D9559 | MA3100/H/-X | OPEN | OPEN | MA3100/H/-X |
| D9560 | MA3100/H/-X | OPEN | OPEN | MA3100/H/-X |
| D9562 | MA111-X<br>1SS355W-X | OPEN | OPEN | MA111-X<br>1SS355W-X |
| D9563 | MA3100/H/-X | OPEN | OPEN | MA3100/H/-X |
| Q9553 | NPN | OPEN | OPEN | NPN |
| L9552 | NQLC8CM-150X | OPEN | OPEN | NQLC8CM-150X |
| R9552 | QRK126J-222X | OPEN | OPEN | QRK126J-222X |
| R9553 | OPEN | NRS12BJ-222W | NRS12BJ-222W | OPEN |
| R9558 | 68k | 330k | 330k | 68k |
| R9562 | 15k | OPEN | OPEN | 15k |
| R9563 | 1.2k | OPEN | OPEN | 1.2k |
| R9564 | 18k | OPEN | OPEN | 18k |
| R9565 | QRT03EJ-1R2X | OPEN | OPEN | QRT039J-1R2 |
| R9566 | QRT03EJ-1R2X | OPEN | OPEN | QRT039J-1R2 |
| R9541 | QRT02EJ-1R0X | QRT02EJ-1R0X | QRT02EJ-1R0X | QRT029J-1R0 |
| L9553 | NQL932K-101X | OPEN | OPEN | NQL932K-101X |
| R9551 | CBW | OPEN | OPEN | CBW |
| R9567 | 0 | OPEN | OPEN | 0 |
| R9568 | OPEN | 0 | 0 | OPEN |
| R9569 | 0 | OPEN | OPEN | 0 |
| R9570 | OPEN | 0 | 0 | OPEN |
| R9575 | OPEN | CBW | CBW | OPEN |
| C9540 | QFZ0230-393 | QFZ0230-563 | QFZ0230-563 | QFZ0230-393 |
| T9501 | QQS0347 -002 | QQS0347 -003 | QQS0347 -003 | QQS0347 -002 |
| T9502 | QQS0347 -002 | QQS0347 -003 | QQS0347 -003 | QQS0347 -002 |
| CN00Q | QGA2001C6 -10X | OPEN | OPEN | QGA2001C6 -10X |
| CN00F | QGA2001C6 -04X | OPEN | OPEN | QGA2001C6 -04X |
| R9305 | 27k | 27k 0.5% | 27k 0.5% | 27k |
| R9306 | 4.7k | 4.7k 0.5% | 4.7k 0.5% | 4.7k |
| C9538 | NCB11AK -335X | NCB11AK -106X | NCB11AK -106X | NCB11AK -335X |
| C9539 | QEHR1HM -226Z | QEHR1HM -226Z | QEHR1HM -226Z | QEHR1HM -226Z |
| Q9531 | 2SC3928A /R/-X | 2SC3928A /QR/-X | 2SC3928A /QR/-X | 2SC3928A /R/-X |
| R9539 | 33k | 10k | 10k | 33k |
| R9558 | 330k | 330k | 330k | 68k |
|  |  |  |  |  |

c10466001a002_0428_2/2_0.0


LED PWB ASS'Y
SFL8712-M2
CN100U
5V
POWER_LED
GND
DIMMER_LED
STB5V
DBS_LED1
DBS_LED2
REC_LED
EE_CDS
REMOCON
ANALOG PWB
(1/6)
CN00U
SHEET 1
CN200U
ANALOG PWB
(1/6)
CN00U
SHEET 1
5V
GND
STB5V
GND
R8724
ILLUMINATION
[BLUE]
D8712
D8705
D8713
R8723
R8722
Q8713
Q8712
GND
R8726
GND
D8710
D8704
D8711
R8721
Q8711
GND
ON LINE
[GREEN]
R8725
R8718
D8703
D8708
D8709
R8720
R8719
GND
Q8710
GND
PROGRAM
[ORANGE]
R8717
R8716
R8715
Q8706
Q8709
UN2212-X
UN211
Q8707
Q8708
D8706
D8707
POWER L
[BLUE]
R8727
R8728
R8729
GND
R8751
R8752
R8754
R8753
C8751
GND
R8755
1K
C8753
OPEN
C8752
47/16
GND

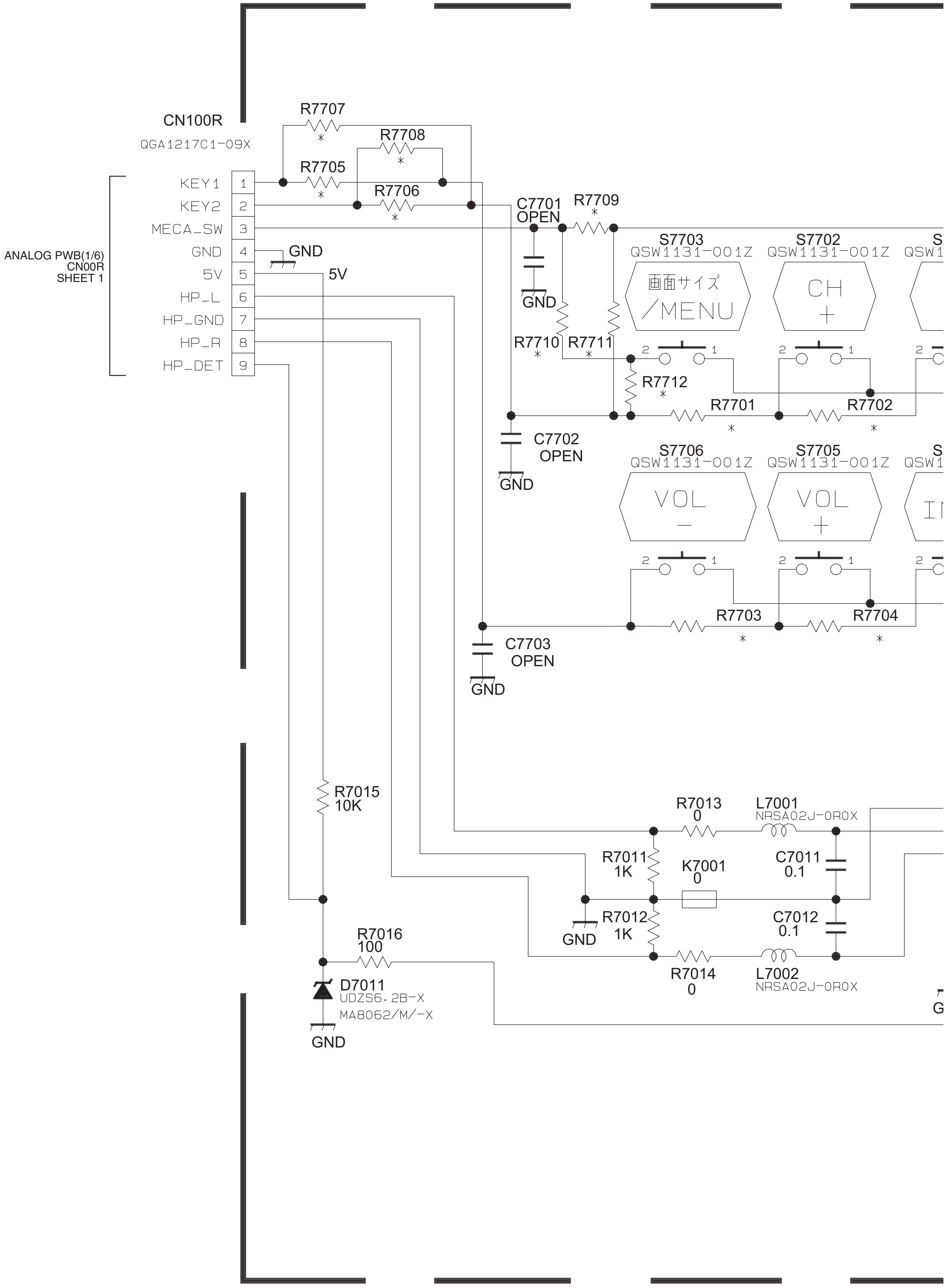


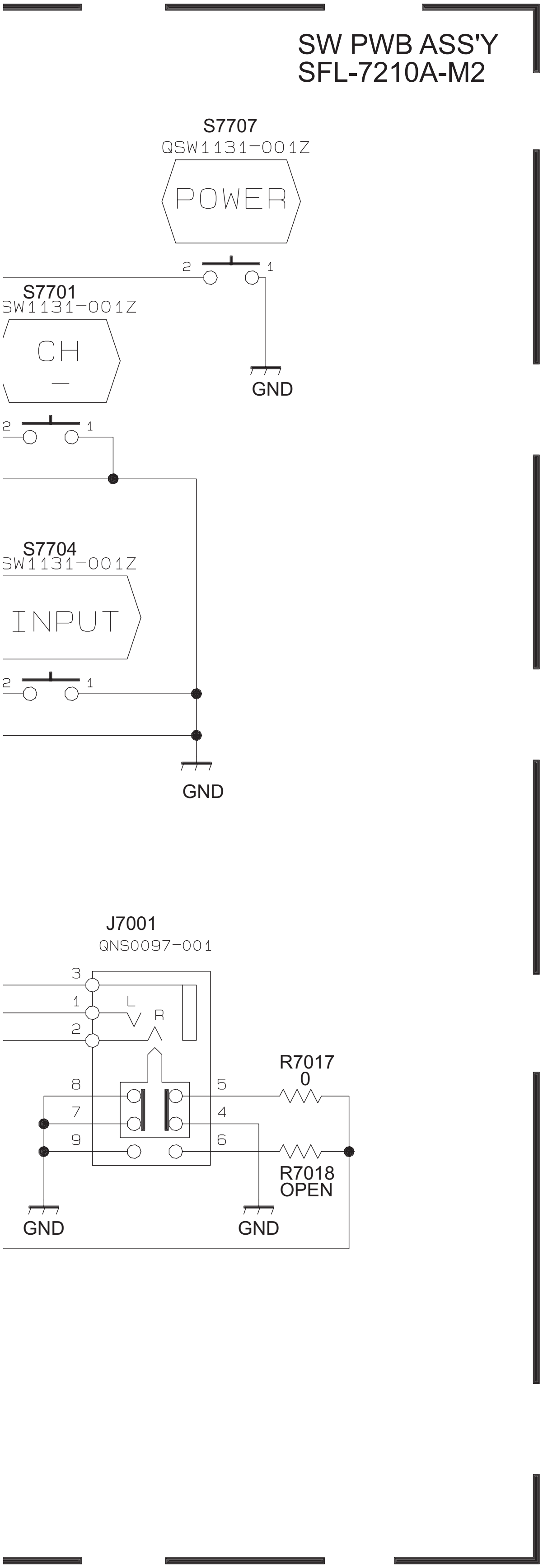
## *DIFFERENCE LIST

| NOTE | JPN26/32<br>JPN40 | JPN37 | US40<br>FH96 | IDTV40 | NON-IDTV40 | TAIWAN40 | US40 | US40<br>FH/FN97 |
|---|---|---|---|---|---|---|---|---|
| ASSY NO. | SFL-8701A<br>SFL-8704A | SFL-8705A | SFL-8702A | SFL-8708A | SFL-8709A | SFL-8707A | SFL-8712A | SFL-8715A |
|  | OLLC09103<br>(etc) | OLLC09103<br>-05 | OLLC09103<br>-02 | OLLC09103<br>-09 | OLLC09103<br>-10 | OLLC09103<br>-06 | OLLC10676 | OLLC10676<br>-02 |
| D8701 | SML72420C-T | SML72420C-T | OPEN | SML72420C-T | OPEN | OPEN | OPEN | OPEN |
| D8702 | OPEN | OPEN | SEL5E20C-T | OPEN | SEL5E20C-T | SEL5E20C-T | SEL5E20C-T | SEL5E20C-T |
| D8703 | SEL5920A-T | SEL5920A-T | SEL5920A-T | OPEN | OPEN | OPEN | OPEN | SEL5920A-T |
| D8704 | SEL5420E-T | SEL5420E-T | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| D8705 | OPEN | OPEN | SELU5E20C-T | SELU5E20C-T | SELU5E20C-T | SELU5E20C-T | OPEN | SELU5E20C-T |
| D8706 | OPEN | OPEN | MA8068-X | OPEN | MA8068-X | MA8068-X | MA8068-X | MA8068-X |
| D8707 | OPEN | OPEN | MA8068-X | OPEN | MA8068-X | MA8068-X | MA8068-X | MA8068-X |
| D8708 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| D8709 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| D8710 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| D8711 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| D8712 | OPEN | OPEN | MA8068-X | MA8068-X | MA8068-X | MA8068-X | OPEN | MA8068-X |
| D8713 | OPEN | OPEN | MA8068-X | MA8068-X | MA8068-X | MA8068-X | OPEN | MA8068-X |
| Q8701 | UN2212-X | UN2212-X | UN2212-X | UN2212-X | OPEN | OPEN | OPEN | UN2212-X |
| Q8702 | OPEN | OPEN | UN2110-X | OPEN | OPEN | OPEN | OPEN | UN2110-X |
| Q8703 | OPEN | OPEN | UN2110-X | OPEN | OPEN | OPEN | OPEN | UN2110-X |
| Q8704 | UN2110-X | UN2110-X | UN2110-X | UN2110-X | OPEN | OPEN | OPEN | UN2110-X |
| Q8706 | OPEN | OPEN | UN2110-X | OPEN | OPEN | UN2110-X | UN2110-X | UN2110-X |
| Q8707 | OPEN | OPEN | UN2110-X | OPEN | OPEN | UN2110-X | UN2110-X | UN2110-X |
| Q8708 | OPEN | OPEN | UN2212-X | OPEN | OPEN | UN2212-X | UN2212-X | UN2212-X |
| Q8710 | UN2212-X | UN2212-X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| Q8711 | UN2212-X | UN2212-X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| Q8712 | OPEN | OPEN | UN2212-X | UN2212-X | UN2212-X | UN2212-X | OPEN | UN2212-X |
| Q8713 | OPEN | OPEN | UN2212-X | UN2212-X | UN2212-X | UN2212-X | OPEN | UN2212-X |
| R8711 | 10K | 10K | 10K | 10K | OPEN | OPEN | OPEN | 10K |
| R8712 | OPEN | OPEN | 470 | OPEN | OPEN | OPEN | OPEN | 470 |
| R8713 | 330 | 330 | 1K | 330 | OPEN | OPEN | OPEN | 1K |
| R8714 | 330 | 330 | 1K | 330 | 330 | 1K | 1K | 1K |
| R8715 | OPEN | OPEN | 470 | OPEN | OPEN | 470 | 470 | 470 |
| R8716 | OPEN | OPEN | 10K | OPEN | OPEN | 10K | 10K | 10K |
| R8717 | 10K | 10K | 10K | 10K | 10K | 10K | 10K | 10K |
| R8718 | OPEN | OPEN | 0 | OPEN | OPEN | OPEN | OPEN | 0 |
| R8719 | OPEN | OPEN | 0 | OPEN | OPEN | OPEN | OPEN | 0 |
| R8720 | 330 | 330 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8721 | 330 | 330 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8722 | OPEN | OPEN | 100 | 100 | 100 | 100 | OPEN | 100 |
| R8723 | OPEN | OPEN | 270 | 270 | 270 | 270 | OPEN | 270 |
| R8724 | OPEN | OPEN | 0 | 0 | 0 | 0 | OPEN | 0 |
| R8725 | 0 | 0 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8726 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| R8727 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0 | OPEN |
| R8728 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0 | OPEN |
| R8729 | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN | 0 | OPEN |
| IC8751 | S9648 | S9648 | OPEN | OPEN | OPEN | OPEN | S9648 | S9648 |
| R8751 | 150K | 150K | OPEN | OPEN | OPEN | OPEN | 150K | 150K |
| R8752 | 100 | 100 | OPEN | OPEN | OPEN | OPEN | 100 | 100 |
| R8753 | 33K | 33K | OPEN | OPEN | OPEN | OPEN | 33K | 33K |
| R8754 | 15K | 15K | OPEN | OPEN | OPEN | OPEN | 15K | 15K |
| C8751 | NEHL1EM-226X | NEHL1EM-226X | OPEN | OPEN | OPEN | OPEN | NEHL1EM-226X | NEHL1EM-226X |
| CN100U | OPEN | QGA1217F1<br>-10X | OPEN | OPEN | OPEN | OPEN | OPEN | OPEN |
| CN200U | QGA1217F1<br>-10X | OPEN | QGA1217F1<br>-10X | QGA1217F1<br>-10X | QGA1217F1<br>-10X | QGA1217F1<br>-10X | QGA1217F1<br>-10X | QGA1217F1<br>-10X |

c30169001d001_0510_1/1_0.0

# SW PWB CIRCUIT DIAGRAM SHEET 26

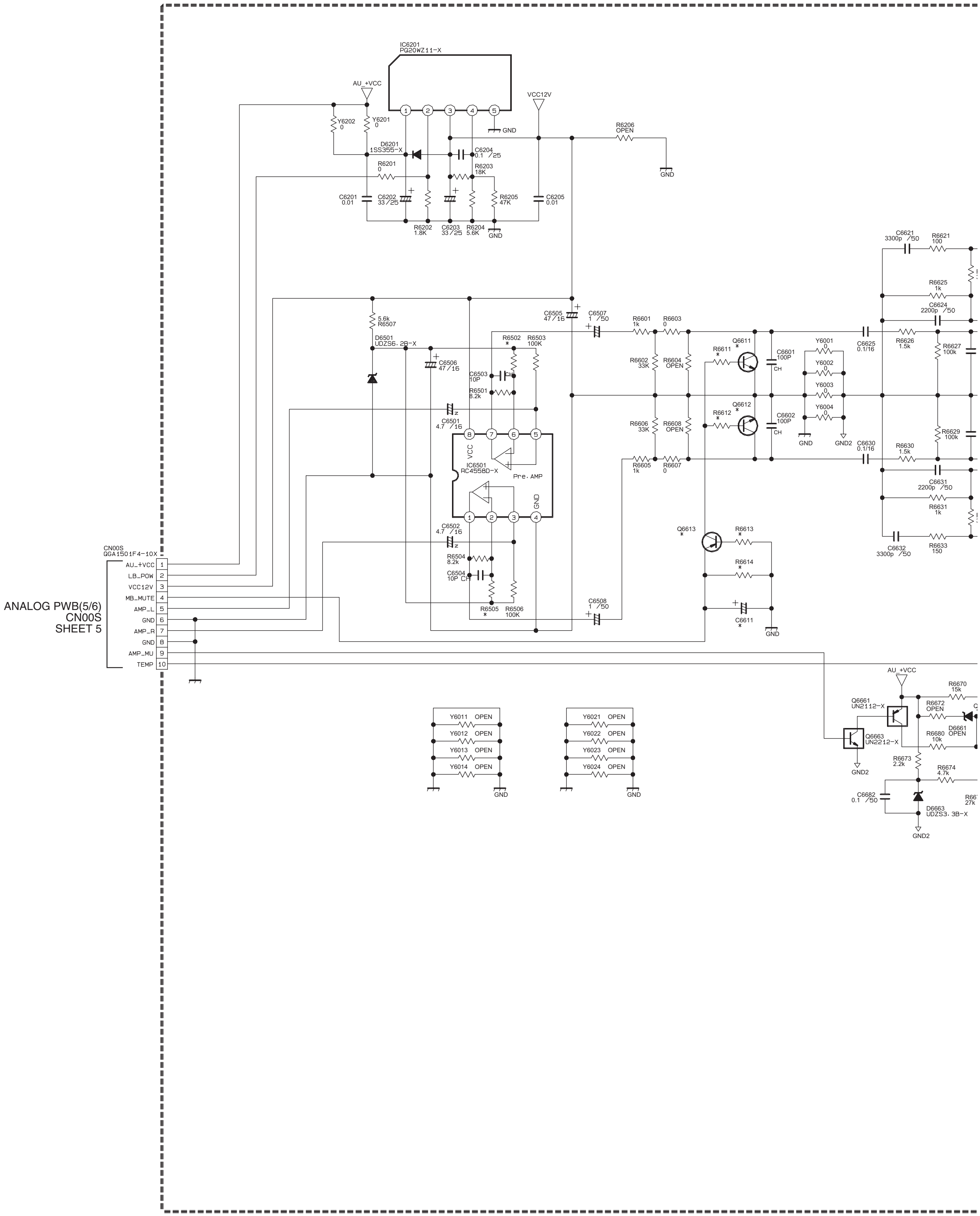

CN100R
QGA1217C1-09X
ANALOG PWB(1/6)
CN00R
SHEET 1
KEY1 1
KEY2 2
MECA_SW 3
GND 4
5V 5
HP_L 6
HP_GND 7
HP_R 8
HP_DET 9
GND
5V
R7707
R7708
R7705
R7706
C7701
OPEN
R7709
R7710
R7711
R7712
R7701
R7702
C7702
OPEN
GND
S7703
QSW1131-001Z
画面サイズ
/MENU
S7702
QSW1131-001Z
CH
+
S7706
QSW1131-001Z
VOL
−
S7705
QSW1131-001Z
VOL
+
R7703
R7704
C7703
OPEN
GND
R7015
10K
R7013
0
L7001
NRSA02J-0R0X
R7011
1K
K7001
0
C7011
0.1
R7012
1K
C7012
0.1
GND
R7016
100
R7014
0
L7002
NRSA02J-0R0X
D7011
UDZS6.2B-X
MA8062/M/-X
GND
*


SW PWB ASS'Y
SFL-7210A-M2
S7707
QSW1131-001Z
POWER
S7701
SW1131-001Z
CH
—
GND
S7704
SW1131-001Z
INPUT
GND
J7001
QNS0097-001
L
R
R7017
0
R7018
OPEN
GND
GND

*DIFFERENCE LIST

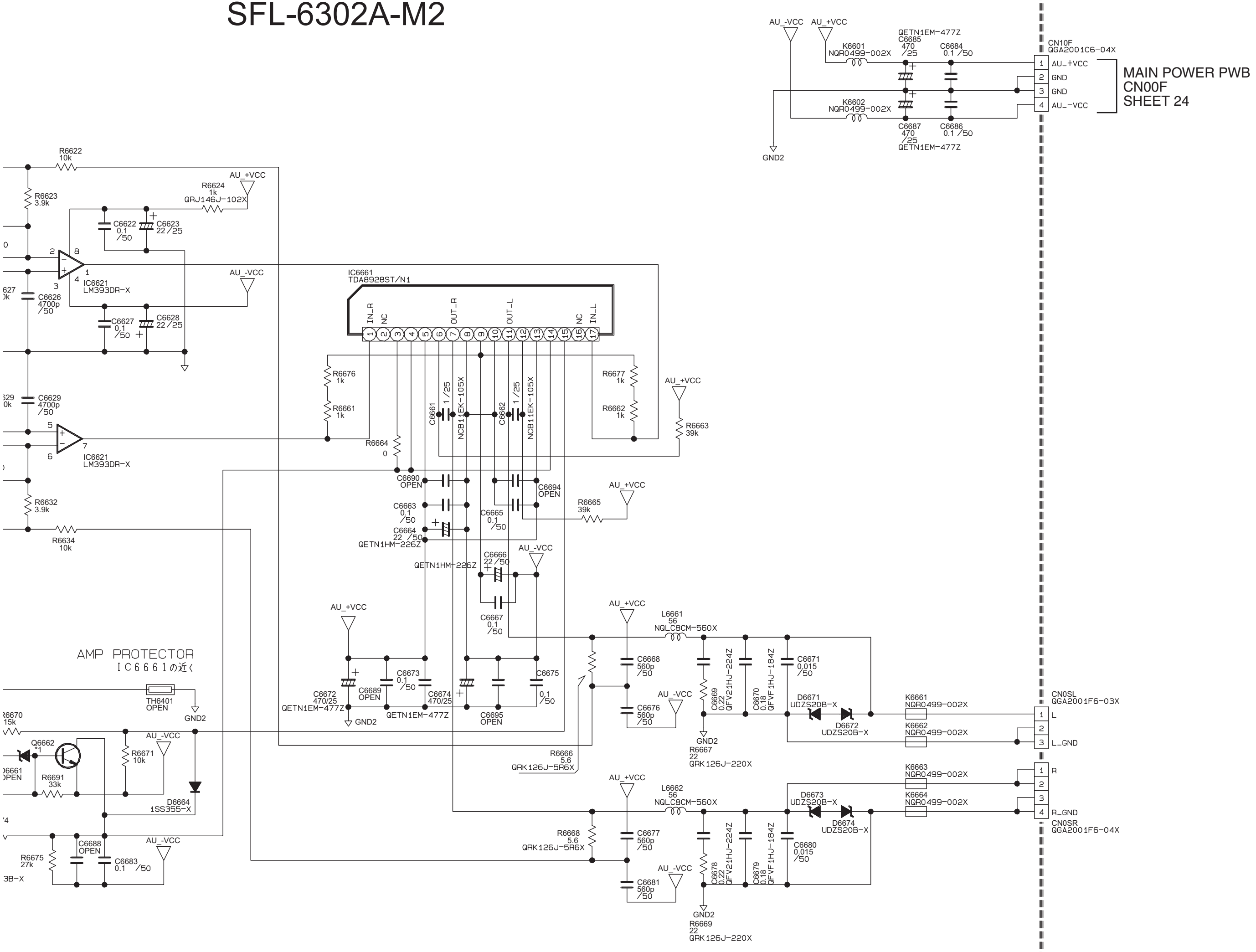
| NOTE | US 40 |
|---|---|
| ASSY NO. | SFL-7210A |
|  | 0LLC10677 |
| R7701 | 5.6K |
| R7702 | 15K |
| R7703 | 5.6K |
| R7704 | 15K |
| R7705 | 0 |
| R7706 | 0 |
| R7707 | OPEN |
| R7708 | OPEN |
| R7709 | 0 |
| R7710 | OPEN |
| R7711 | OPEN |
| R7712 | 0 |

# D-AMP PWB CIRCUIT DIAGRAM  SHEET 27



IC6201
PQ20WZ11-X
AU_+VCC
VCC12V
GND
Y6202
0
Y6201
0
D6201
1SS355-X
C6204
0.1 /25
R6201
0
R6203
18K
R6206
OPEN
C6201
0.01
C6202
33/25
R6205
47K
C6205
0.01
R6202
1.8K
C6203
33/25
R6204
5.6K
5.6k
R6507
D6501
UDZS6.2B-X
C6505
47/16
C6507
1 /50
R6502
*
R6503
100K
C6506
47/16
C6503
10P
CH
R6501
8.2k
C6501
4.7 /16
VCC
IC6501
RC4558D-X
Pre.AMP
C6502
4.7 /16
R6504
8.2k
C6504
10P CH
R6505
*
R6506
100K
C6508
1 /50
R6601
1k
R6603
0
R6602
33K
R6604
OPEN
R6611
*
Q6611
*
C6601
100P
CH
Y6001
0
Y6002
0
Y6003
0
Y6004
0
R6606
33K
R6608
OPEN
R6612
*
Q6612
*
C6602
100P
CH
GND2
R6605
1k
R6607
0
Q6613
*
R6613
*
R6614
*
C6611
*
C6621
3300p /50
R6621
100
R6625
1k
C6624
2200p /50
C6625
0.1/16
R6626
1.5k
R6627
100k
R6629
100k
C6630
0.1/16
R6630
1.5k
C6631
2200p /50
R6631
1k
C6632
3300p /50
R6633
150
CN00S
QGA1501F4-10X
AU_+VCC 1
LB_POW 2
VCC12V 3
MB_MUTE 4
AMP_L 5
GND 6
AMP_R 7
GND 8
AMP_MU 9
TEMP 10
ANALOG PWB(5/6)
CN00S
SHEET 5
Y6011 OPEN
Y6012 OPEN
Y6013 OPEN
Y6014 OPEN
Y6021 OPEN
Y6022 OPEN
Y6023 OPEN
Y6024 OPEN
R6670
15k
Q6661
UN2112-X
R6672
OPEN
D6661
R6680
10k
OPEN
Q6663
UN2212-X
R6673
2.2k
R6674
4.7k
C6682
0.1 /50
D6663
UDZS3.3B-X

# D-AMP PWB ASS'Y
# SFL-6302A-M2

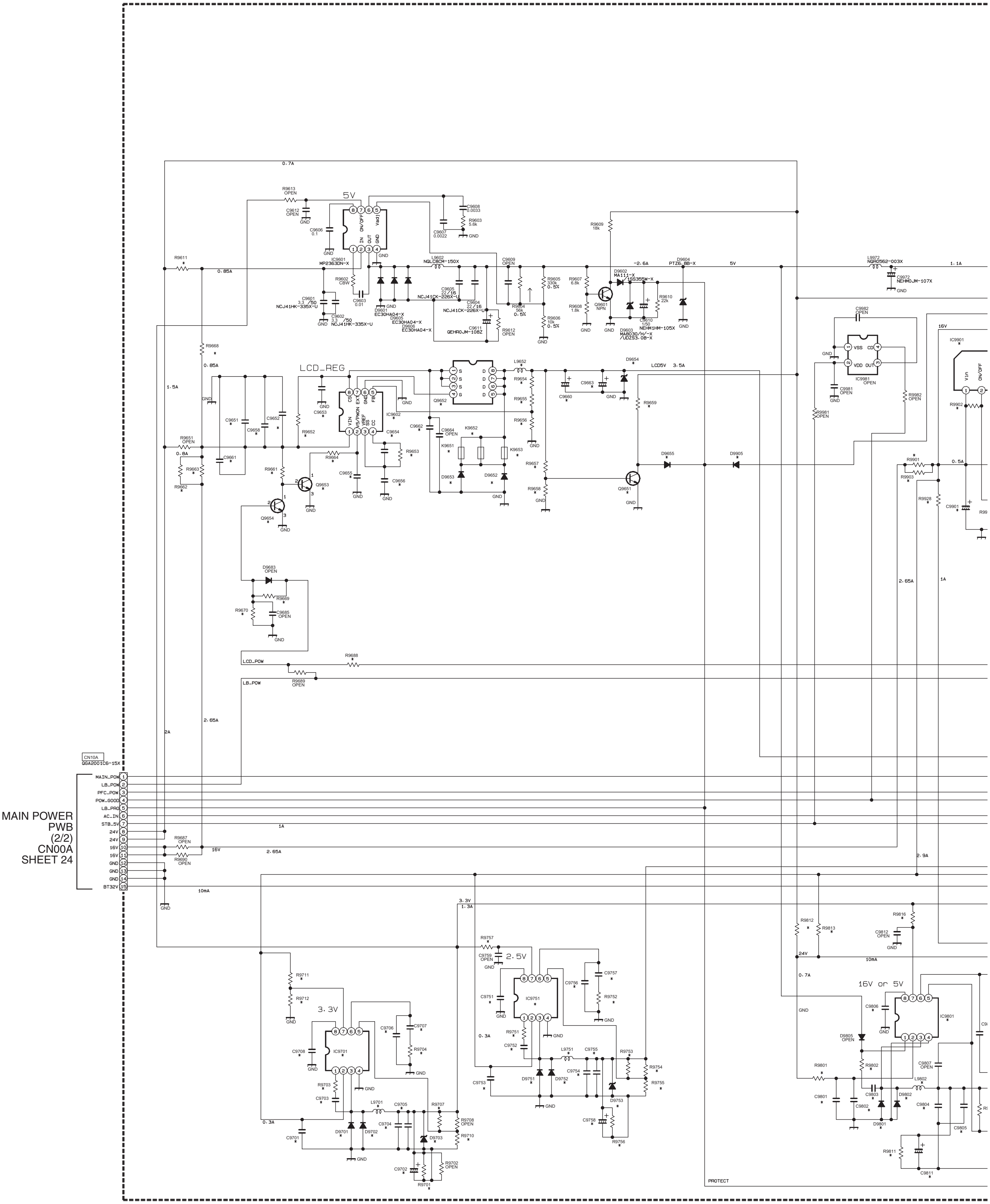

AU_-VCC
AU_+VCC
K6601
NQR0499-002X
QETN1EM-477Z
C6685
470
/25
C6684
0.1 /50
CN10F
QGA2001C6-04X
1 AU_+VCC
2 GND
3 GND
4 AU_-VCC
MAIN POWER PWB
CN00F
SHEET 24
K6602
NQR0499-002X
C6687
470
/25
QETN1EM-477Z
C6686
0.1 /50
GND2
R6622
10k
R6623
3.9k
R6624
1k
QRJ146J-102X
C6622
0.1
/50
C6623
22/25
IC6621
LM393DR-X
C6626
4700p
/50
C6627
0.1
/50
C6628
22/25
C6629
4700p
/50
R6632
3.9k
R6634
10k
IC6661
TDA8928ST/N1
IN_R
NC
OUT_R
OUT_L
NC
IN_L
R6676
1k
R6661
1k
R6664
0
C6661
1/25
NCB11EK-105X
C6662
1/25
NCB11EK-105X
R6677
1k
R6662
1k
R6663
39k
C6690
OPEN
C6663
0.1
/50
C6664
22 /50
QETN1HM-226Z
C6665
0.1
/50
C6694
OPEN
R6665
39k
C6666
22 /50
QETN1HM-226Z
C6667
0.1
/50
C6672
470/25
QETN1EM-477Z
C6689
OPEN
C6673
0.1
/50
C6674
470/25
QETN1EM-477Z
C6675
0.1
/50
C6695
OPEN
GND2
AMP PROTECTOR
IC6661の近く
TH6401
OPEN
R6670
15k
Q6662
*1
D6661
OPEN
R6691
33k
R6671
10k
D6664
1SS355-X
C6688
OPEN
C6683
0.1 /50
R6675
27k
R6666
5.6
QRK126J-5R6X
L6661
56
NQLC8CM-560X
C6668
560p
/50
C6676
560p
/50
C6669
0.22
QFV21HJ-224Z
C6670
0.18
QFVF1HJ-184Z
C6671
0.015
/50
D6671
UDZS20B-X
D6672
UDZS20B-X
R6667
22
QRK126J-220X
K6661
NQR0499-002X
K6662
NQR0499-002X
CN0SL
QGA2001F6-03X
1 L
2
3 L_GND
K6663
NQR0499-002X
K6664
NQR0499-002X
1 R
2
3
4 R_GND
CN0SR
QGA2001F6-04X
L6662
56
NQLC8CM-560X
R6668
5.6
QRK126J-5R6X
C6677
560p
/50
C6681
560p
/50
C6678
0.22
QFV21HJ-224Z
C6679
0.18
QFVF1HJ-184Z
C6680
0.015
/50
D6673
UDZS20B-X
D6674
UDZS20B-X
R6669
22
QRK126J-220X

## * DIFFERENCE LIST

| MODEL | JPN | | | US | | | |
|---|---|---|---|---|---|---|---|
| | | 32X7/8* | 37/40X7/8* | 32XM57 | 37X987 | 40/46FH97 | 40/46FN97 |
| | SFL-6302A | SFL-6301A | SFL-6302A | SFL-6301A | SFL-6302A | SFL-6302A | SFL-6302A |
| | LCA90641-02* | LCA90641-01* | LCA90641-02* | LCA90641-01* | LCA90641-02* | LCA90641-02* | LCA90641-02* |
| | OLLC10543 -02 | OLLC10543 | OLLC10543 -02 | OLLC10543 | OLLC10543 -02 | OLLC10543 -02 | OLLC10543 -02 |
| Q6611 | *1 | OPEN | *1 | OPEN | *1 | *1 | *1 |
| Q6612 | *1 | OPEN | *1 | OPEN | *1 | *1 | *1 |
| Q6613 | *2 | OPEN | *2 | OPEN | *2 | *2 | *2 |
| R6611 | 100 | OPEN | 100 | OPEN | 100 | 100 | 100 |
| R6612 | 100 | OPEN | 100 | OPEN | 100 | 100 | 100 |
| R6613 | 5.6k | OPEN | 5.6k | OPEN | 5.6k | 5.6k | 5.6k |
| R6614 | 10k | OPEN | 10k | OPEN | 10k | 10k | 10k |
| C6611 | 22/6.3 | OPEN | 22/6.3 | OPEN | 22/6.3 | 22/6.3 | 22/6.3 |
| R6502 | 3.3k | 10k | 3.3k | 10k | 3.3k | 3.3k | 3.3k |
| R6505 | 3.3k | 10k | 3.3k | 10k | 3.3k | 3.3k | 3.3k |

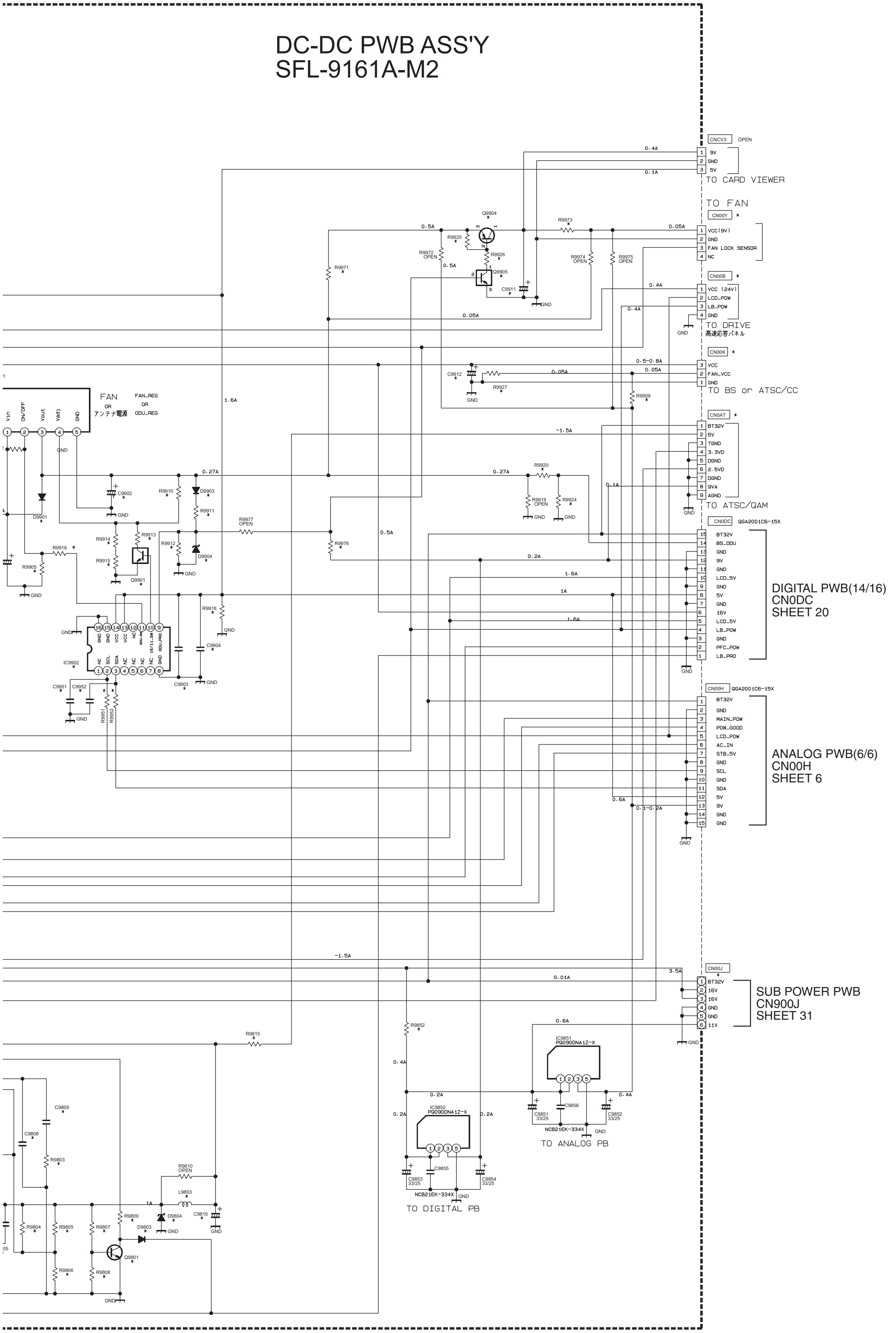
c10460001a001_0410_1/1_0.0

# DC-DC PWB CIRCUIT DIAGRAM  SHEET 28



MAIN POWER PWB (2/2) CN00A SHEET 24
CN10A
QGA2001C6-15X
MAIN_POW 1
LB_POW 2
PFC_POW 3
POW_GOOD 4
LB_PRO 5
AC_IN 6
STB_5V 7
24V 8
24V 9
16V 10
16V 11
GND 12
GND 13
GND 14
BT32V 15
5V
IC9601
MP2363DN-X
ON/OFF
IN
OUT
GND
Vadj
R9613 OPEN
C9612 OPEN
C9606 0.1
C9607 0.0022
C9608 0.0033
R9603 5.6k
R9611
0.85A
0.7A
R9602 CBW
C9603 0.01
C9601 3.3 /50 NCJ41HK-335X-U
C9602 3.3 /50 NCJ41HK-335X-U
L9602 NQLCBCM-150X
D9601 EC30HA04-X
D9605 EC30HA04-X
D9606 EC30HA04-X
C9605 22/16 NCJ41CK-226X-U
C9604 22/15 NCJ41CK-226X-U
C9611 QEHR0JM-108Z
R9612 OPEN
C9609 OPEN
R9604 56k 0.5%
R9605 330k 0.5%
R9606 10k 0.5%
R9607 6.8k
R9608 1.8k
R9609 18k
Q9601 NPN
D9602 MA111-X /1SS355W-X
-2.6A
D9603 MA8030/H/-X /UDZS3.0B-X
C9610 1/50 NEHM1HM-105X
R9610 22k
D9604 PTZ6.8B-X
5V
L9972 NQR0562-003X
C9972 NEHM0JM-107X
1.1A
R9658
0.85A
1.5A
LCD_REG
IC9602
VIN
V5/PRON
EXT
GND
VREF
SS
CC
FB
C9651
C9658
C9652
C9653
C9661
R9651 OPEN
0.8A
R9663
R9662
R9652
R9661
R9664
Q9653
Q9654
C9655
C9656
C9654
R9653
Q9652
C9662
C9664 OPEN
K9651
K9652
K9653
D9653
D9652
L9652
R9654
R9655
R9656
R9657
R9658
C9660
C9663
D9654
LCD5V 3.5A
R9659
D9655
D9905
Q9651
D9683 OPEN
R9669
C9685 OPEN
R9670
LCD_POW
R9688
LB_POW
R9689 OPEN
2.65A
2A
R9687 OPEN
R9690 OPEN
16V
1A
2.65A
10mA
IC9981
VSS
CD
VDD
OUT
C9982 OPEN
C9981 OPEN
R9981 OPEN
R9982 OPEN
16V
IC9901
Vin
ON/OFF
R9902
R9901
R9903
R9928
C9901
0.5A
2.65A
1A
2.9A
3.3V
1.3A
R9757
C9759 OPEN
2.5V
IC9751
C9751
C9756
C9757
R9752
R9751
C9752
0.3A
L9751
C9755
C9754
C9753
D9751
D9752
D9753
R9753
R9754
R9755
C9758
R9756
R9711
R9712
3.3V
IC9701
C9706
C9707
R9704
C9708
R9703
C9703
L9701
C9705
C9704
R9707
R9708 OPEN
R9710
D9701
D9702
D9703
0.3A
C9701
C9702
R9702 OPEN
R9701
R9812
R9813
24V
10mA
0.7A
R9816
C9812 OPEN
16V or 5V
IC9801
C9806
D9805 OPEN
R9801
R9802
C9801
C9802
C9803
D9801
D9802
L9802
C9807 OPEN
C9804
C9805
R9811
C9811
PROTECT
GND

# DC-DC PWB ASS'Y
# SFL-9161A-M2

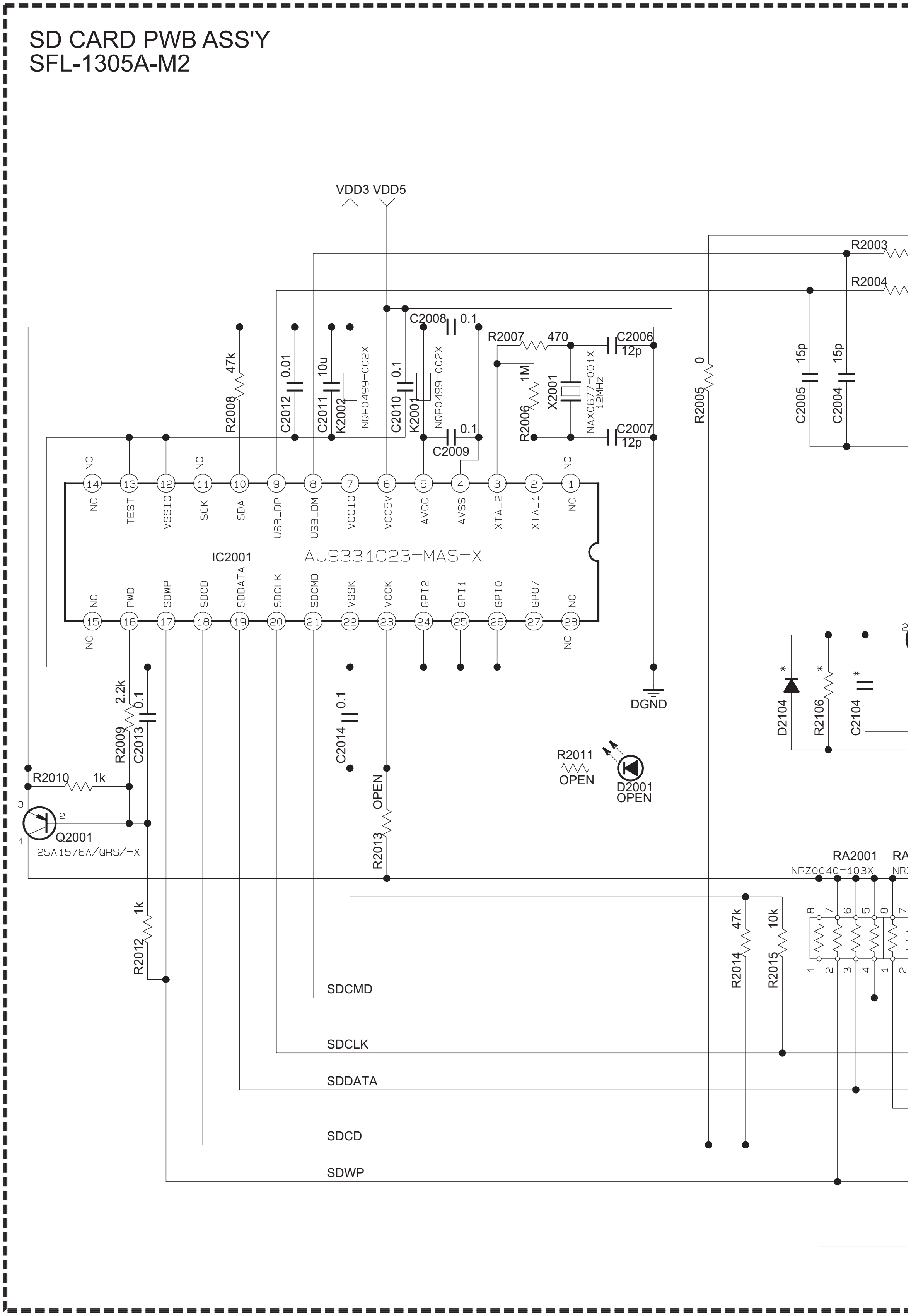

CNCV3 OPEN
1 9V
2 GND
3 5V
TO CARD VIEWER
TO FAN
CN00Y *
1 VCC(9V)
2 GND
3 FAN LOCK SENSOR
4 NC
CN00B *
1 VCC (24V)
2 LCD_POW
3 LB_POW
4 GND
TO DRIVE
高速応答パネル
CN00K *
3 VCC
2 FAN_VCC
1 GND
TO BS or ATSC/CC
CN0AT *
1 BT32V
2 5V
3 TGND
4 3.3VD
5 DGND
6 2.5VD
7 DGND
8 9VA
9 AGND
TO ATSC/QAM
CN0DC QGA2001C6-15X
15 BT32V
14 BS_ODU
13 GND
12 9V
11 GND
10 LCD_5V
9 GND
8 5V
7 GND
6 16V
5 LCD_5V
4 LB_POW
3 GND
2 PFC_POW
1 LB_PRO
DIGITAL PWB(14/16)
CN0DC
SHEET 20
CN00H QGA2001C6-15X
1 BT32V
2 GND
3 MAIN_POW
4 POW_GOOD
5 LCD_POW
6 AC_IN
7 STB_5V
8 GND
9 SCL
10 GND
11 SDA
12 5V
13 9V
14 GND
15 GND
ANALOG PWB(6/6)
CN00H
SHEET 6
CN00J *
1 BT32V
2 16V
3 16V
4 GND
5 GND
6 11V
SUB POWER PWB
CN900J
SHEET 31
FAN
OR
アンテナ電源
FAN_REG
OR
ODU_REG
Vin
ON/OFF
Vout
Vadj
GND
IC9902
Q9904
Q9905
Q9901
IC9851
PQ090DNA1Z-X
IC9852
PQ090DNA1Z-X
NCB21EK-334X
TO ANALOG PB
TO DIGITAL PB
C9851 33/25
C9852 33/25
C9853 33/25
C9854 33/25
Q9801
L9803
D9803
D9804
R9810 OPEN
R9977 OPEN
R9972 OPEN
R9974 OPEN
R9975 OPEN
R9919 OPEN
0.4A
0.1A
0.5A
0.05A
0.5-0.8A
1.6A
1A
-1.5A
0.27A
0.2A
0.6A
0.1-0.2A
3.5A
0.01A
GND

c10478001a001_0523_1/1_0.0

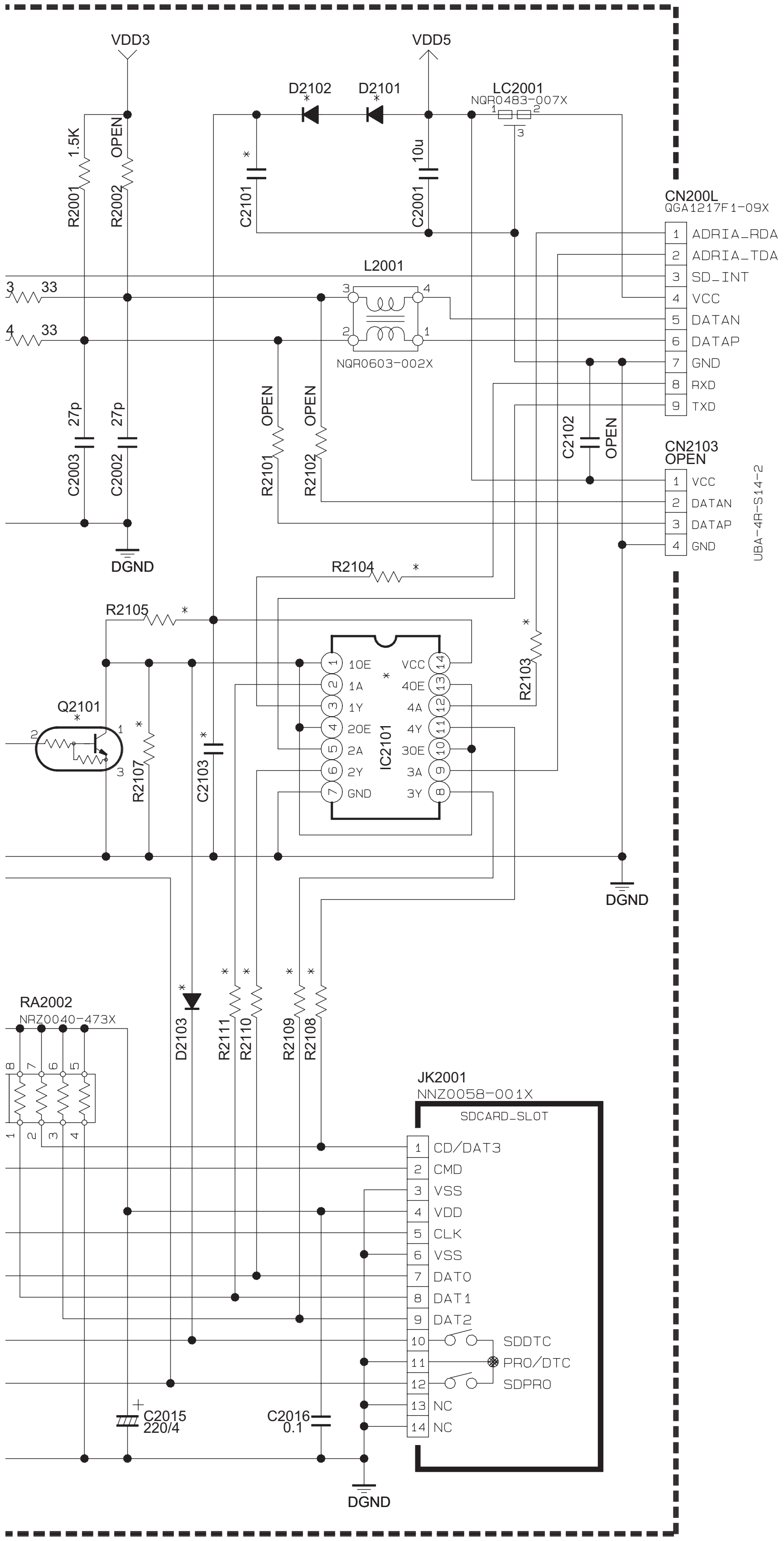
* DIFFERENCE LIST

| | NOTE. | US40 | US40 | |
|---|---|---|---|---|
| | MODEL | LT-40X887 | LT-40FH97<br>LT-40FN97 | |
| | ASSY NO. | LCA90651-01A | LCA90651-02A | |
| | OL NO. / SYMBOL | OLLC10674 | OLLC10762 | |
| CONNECTOR | CN00Y | QGA2001C6-04X | OPEN | |
| | CN00B | OPEN | OPEN | |
| | CN00K | OPEN | QGA2001C6-03X | |
| | CN0AT | QGA2001C6-09X | OPEN | |
| | CN00J | QGA2001C6-06X | QGA2001C6-06X | |
| | | | | |
| | | | | |
| 5V | R9611 | OPEN | OPEN | |
| | | | | |
| | | | | |
| LCD REG | IC9602 | AL1014-X | AL1014-X | |
| | Q9651 | NPN | NPN | |
| | Q9652 | FDS9435A-X | FDS9435A-X | |
| | Q9653 | NPN | NPN | |
| | Q9654 | NPN | NPN | |
| | D9652 | CMS05-W | CMS05-W | |
| | D9653 | CMS05-W | CMS05-W | |
| | D9654 | PTZ6.8B-X | PTZ6.8B-X | |
| | D9655 | MA111-X/1SS355W-X | MA111-X/1SS355W-X | |
| | L9652 | NQL63EM-150X | NQL63EM-150X | |
| | R9652 | NRZ0096-R020X | NRZ0096-R020X | |
| | R9653 | 33k | 33k | |
| | R9654 | 1k 0.5% | 1k 0.5% | |
| | R9655 | 15k 0.5% | 15k 0.5% | |
| | R9656 | 5.1k 0.5% | 5.1k 0.5% | |
| | R9657 | 6.8k | 6.8k | |
| | R9658 | 1.8k | 1.8k | |
| | R9659 | 18k | 18k | |
| | R9661 | 33k | 33k | |
| | R9662 | CBW | CBW | |
| | R9663 | CBW | CBW | |
| | R9664 | 10 | 10 | |
| | R9668 | CBW | CBW | |
| | R9669 | 4.7k | 4.7k | |
| | R9670 | 100k | 100k | |
| | R9688 | 0 | 0 | |
| | C9651 | 0.1 | 0.1 | |
| | C9652 | NCJ41EK-106X-U | NCJ41EK-106X-U | |
| | C9653 | 0.01 | 0.01 | |
| | C9654 | NDC31HJ-270X | NDC31HJ-270X | |
| | C9655 | 0.1 | 0.1 | |
| | C9656 | 0.1 | 0.1 | |
| | C9658 | NCJ41EK-106X-U | NCJ41EK-106X-U | |
| | C9660 | NEX60JM-227X | NEX60JM-227X | |
| | C9662 | NCJ11HK-105X-U | NCJ11HK-105X-U | |
| | C9661 | OPEN | OPEN | |
| | C9663 | OPEN | OPEN | |
| | K9651 | NQR0413-001X | NQR0413-001X | |
| | K9652 | NQR0413-001X | NQR0413-001X | |
| | K9653 | NQR0413-001X | NQR0413-001X | |
| | | | | |
| | | | | |
| 3.3V | IC9701 | MP2363DN-X | OPEN | |
| | D9701 | EC30HA03L-X | OPEN | |
| | D9702 | EC30HA03L-X | OPEN | |
| | D9703 | PTZ3.9B-X | OPEN | |
| | L9701 | NQLC8CM-150X | OPEN | |
| | R9701 | NRSA02J-181X | OPEN | |
| | R9703 | CBW | OPEN | |
| | R9704 | 3.3k | OPEN | |
| | R9707 | 27k 0.5% | OPEN | |
| | R9710 | 10k 0.5% | OPEN | |
| | C9701 | NCJ41EK-106X-U | OPEN | |
| | C9702 | QEHR0JM-228Z | OPEN | |
| | C9703 | 0.01 | OPEN | |
| | C9704 | NCJ41CK-226X-U | OPEN | |
| | C9705 | NCJ41CK-226X-U | OPEN | |
| | C9706 | NDC31HJ-101X | OPEN | |
| | C9707 | 0.01 | OPEN | |
| | C9708 | 0.1 | OPEN | |
| | R9711 | 33k | OPEN | |
| | R9712 | 10k | OPEN | |
| 2.5V | IC9751 | MP2363DN-X | OPEN | |
| | D9751 | EC30HA03L-X | OPEN | |
| | D9752 | EC30HA03L-X | OPEN | |
| | D9753 | PTZ3.9B-X | OPEN | |
| | L9751 | NQLC8CM-150X | OPEN | |
| | R9751 | CBW | OPEN | |
| | R9752 | 3.3k | OPEN | |
| | R9753 | 22k 0.5% | OPEN | |
| | R9754 | 100k 0.5% | OPEN | |
| | R9755 | 10k 0.5% | OPEN | |
| | R9756 | NRSA02J-181X | OPEN | |
| | R9757 | 33k | OPEN | |
| | C9751 | NCB31CK-184X | OPEN | |
| | C9752 | 0.01 | OPEN | |
| | C9753 | NCJ41EK-106X-U | OPEN | |
| | C9754 | NCJ41CK-226X-U | OPEN | |
| | C9755 | NCJ41CK-226X-U | OPEN | |
| | C9756 | NDC31HJ-101X | OPEN | |
| | C9757 | 0.01 | OPEN | |
| | C9758 | QEHR0JM-228Z | OPEN | |
| | | | | |
| | | | | |
| 16V or 5V | IC9801 | MP2363DN-X | OPEN | |
| | Q9801 | NPN | OPEN | |
| | D9801 | EC30HA04-X | OPEN | |
| | D9802 | EC30HA04-X | OPEN | |
| | D9803 | MA111-X 1SS355W-X | OPEN | |
| | D9804 | PTZ6.8B-X | OPEN | |
| | L9802 | NQLC8CM-150X | OPEN | |
| | L9803 | NQR0562-003X | OPEN | |
| | R9801 | CBW | OPEN | |
| | R9802 | 0 | OPEN | |
| | R9803 | 3.3k | OPEN | |
| | R9804 | 56k 0.5% | OPEN | |
| | R9805 | 270k 0.5% | OPEN | |
| | R9806 | 10k 0.5% | OPEN | |
| | R9807 | 6.8k | OPEN | |
| | R9808 | 1.8k | OPEN | |
| | R9809 | 10k | OPEN | |
| | R9811 | OPEN | OPEN | |
| | R9813 | CBW | OPEN | |
| | R9815 | CBW | OPEN | |
| | R9816 | 33k | OPEN | |
| | C9801 | NCJ41EK-106X-U | OPEN | |
| | C9802 | NCJ41EK-106X-U | OPEN | |
| | C9803 | 0.01 | OPEN | |
| | C9804 | NCJ41CK-226X-U | OPEN | |
| | C9805 | NCJ41CK-226X-U | OPEN | |
| | C9806 | 0.1 | OPEN | |
| | C9808 | NDC31HJ-101X | OPEN | |
| | C9809 | 0.01 | OPEN | |
| | C9810 | NEHM1EM-336X | OPEN | |
| | C9811 | QEHR0JM-108Z | OPEN | |
| | R9812 | OPEN | OPEN | |
| | | | | |
| 9V | R9852 | OPEN | OPEN | |
| | | | | |
| | | | | |
| FAN or アンテナ電源 | IC9901 | PQ20WZ11-X | OPEN | |
| | IC9902 | OPEN | OPEN | |
| | Q9901 | OPEN | OPEN | |
| | Q9904 | 2SB1188/QR/-W | OPEN | |
| | Q9905 | UN2213-X RT1N441C-X | OPEN | |
| | D9901 | D1FS4-X | OPEN | |
| | D9903 | OPEN | OPEN | |
| | D9904 | OPEN | OPEN | |
| | D9905 | MA111-X 1SS355W-X | OPEN | |
| | R9901 | CBW | CBW | |
| | R9902 | 0 | OPEN | |
| | R9903 | CBW | CBW | |
| | R9905 | OPEN | OPEN | |
| | R9909 | OPEN | CBW | |
| | R9910 | 18k 0.5% | OPEN | |
| | R9911 | OPEN | OPEN | |
| | R9912 | OPEN | OPEN | |
| | R9913 | OPEN | OPEN | |
| | R9914 | 680 0.5% | OPEN | |
| | R9915 | 6.8k 0.5% | OPEN | |
| | R9916 | OPEN | OPEN | |
| | R9918 | NRS12BJ-221W | NRS12BJ-221W | |
| | R9920 | OPEN | OPEN | |
| | R9924 | 0 | 0 | |
| | R9925 | 47k | OPEN | |
| | R9926 | NRSA02J-222X | OPEN | |
| | R9927 | OPEN | OPEN | |
| | R9928 | OPEN | OPEN | |
| | R9951 | OPEN | OPEN | |
| | R9952 | OPEN | OPEN | |
| | R9971 | CBW | OPEN | |
| | R9973 | CBW | OPEN | |
| | R9976 | 5.6k | OPEN | |
| | C9901 | NEHM1EM-336X | OPEN | |
| | C9902 | NEHM1EM-336X | OPEN | |
| | C9903 | NCB11CK-475X | NCB11CK-475X | |
| | C9904 | NCB31EK-104X | NCB31EK-104X | |
| | C9911 | NBZ0017-106X | OPEN | |
| | C9912 | OPEN | NBZ0017-106X | |
| | C9951 | OPEN | OPEN | |
| | C9952 | OPEN | OPEN | |
| | | | | |
| | | | | |
| | | | | |

# *SD CARD PWB CIRCUIT DIAGRAM  SHEET 29*

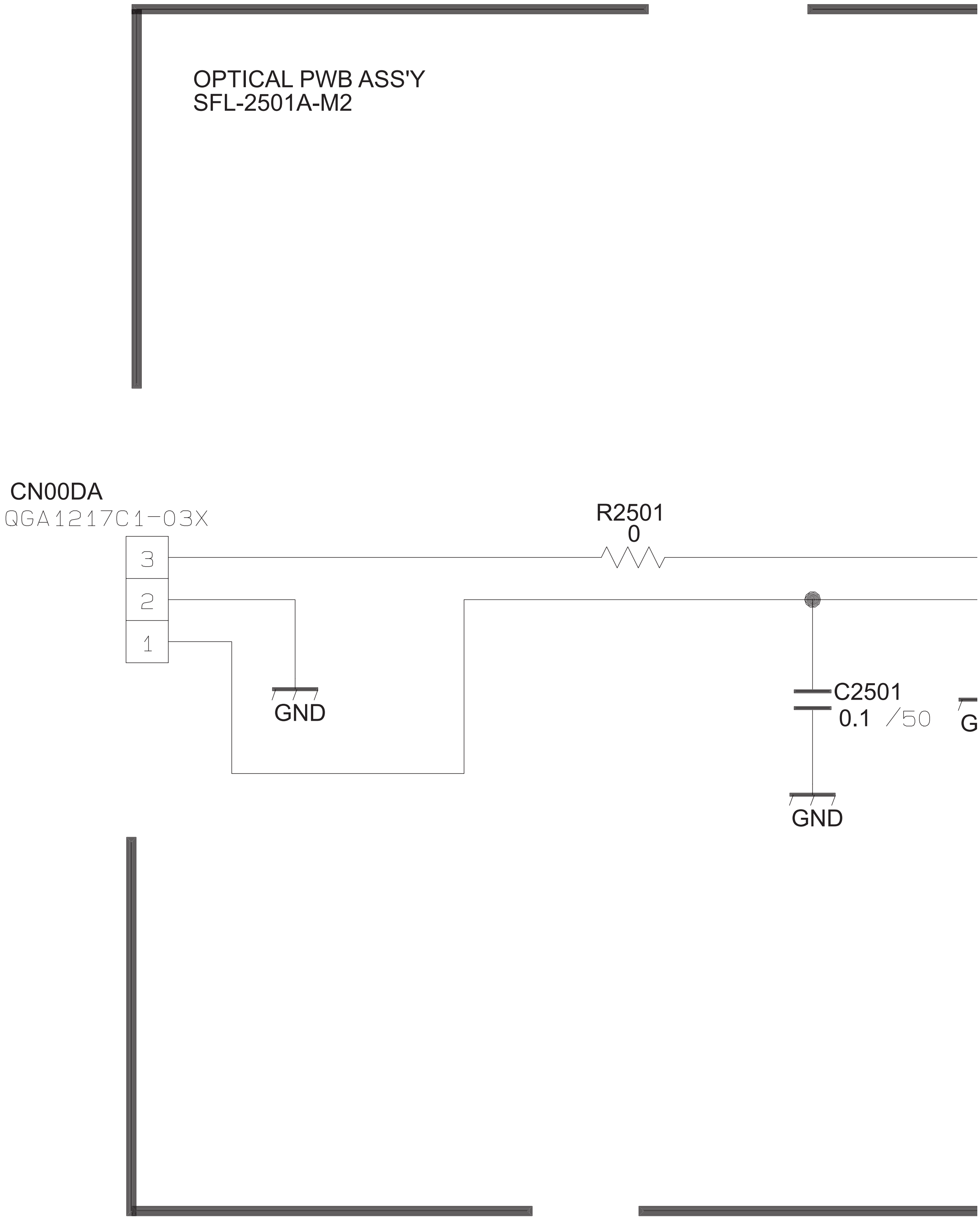


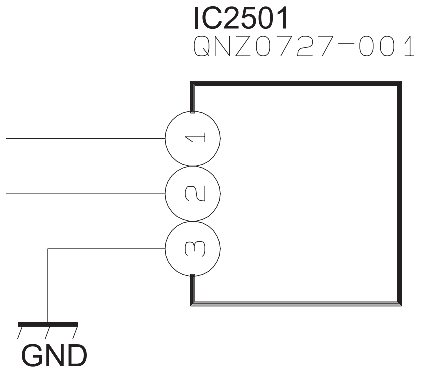
SD CARD PWB ASS'Y
SFL-1305A-M2
VDD3 VDD5
R2003
R2004
C2008 0.1
R2007 470
C2006 12p
47k
R2008
0.01
C2012
10u
C2011
K2002
NQR0499-002X
0.1
C2010
K2001
NQR0499-002X
0.1
C2009
1M
R2006
X2001
NAX0877-001X
12MHz
C2007 12p
0
R2005
15p
C2005
15p
C2004
NC
TEST
VSSIO
SCK
SDA
USB_DP
USB_DM
VCCIO
VCC5V
AVCC
AVSS
XTAL2
XTAL1
NC
IC2001
AU9331C23-MAS-X
PWD
SDWP
SDCD
SDDATA
SDCLK
SDCMD
VSSK
VCCK
GPI2
GPI1
GPIO
GPO7
14
13
12
11
10
9
8
7
6
5
4
3
2
1
15
16
17
18
19
20
21
22
23
24
25
26
27
28
DGND
2.2k
R2009
0.1
C2013
0.1
C2014
R2011
OPEN
D2001
OPEN
D2104
R2106
C2104
R2010 1k
Q2001
2SA1576A/QRS/-X
3
2
1
OPEN
R2013
RA2001
NRZ0040-103X
RA
47k
R2014
10k
R2015
1k
R2012
SDCMD
SDCLK
SDDATA
SDCD
SDWP


VDD3
VDD5
D2102 *
D2101 *
LC2001
NQR0483-007X
1
2
3
1.5K
R2001
OPEN
R2002
*
C2101
10u
C2001
CN200L
QGA1217F1-09X
1 ADRIA_RDA
2 ADRIA_TDA
3 SD_INT
4 VCC
5 DATAN
6 DATAP
7 GND
8 RXD
9 TXD
L2001
3
4
2
1
NQR0603-002X
3
33
4
33
27p
C2003
27p
C2002
DGND
OPEN
R2101
OPEN
R2102
C2102
OPEN
CN2103
OPEN
1 VCC
2 DATAN
3 DATAP
4 GND
UBA-4R-S14-2
R2104 *
R2105 *
R2103 *
Q2101 *
1
2
3
R2107 *
C2103 *
IC2101 *
1 1OE
2 1A
3 1Y
4 2OE
5 2A
6 2Y
7 GND
14 VCC
13 4OE
12 4A
11 4Y
10 3OE
9 3A
8 3Y
DGND
RA2002
NRZ0040-473X
8 7 6 5
1 2 3 4
D2103 *
R2111 *
R2110 *
R2109 *
R2108 *
JK2001
NNZ0058-001X
SDCARD_SLOT
1 CD/DAT3
2 CMD
3 VSS
4 VDD
5 CLK
6 VSS
7 DAT0
8 DAT1
9 DAT2
10 SDDTC
11 PRO/DTC
12 SDPRO
13 NC
14 NC
C2015
220/4
C2016
0.1
DGND

## *DIFFERENCE LIST

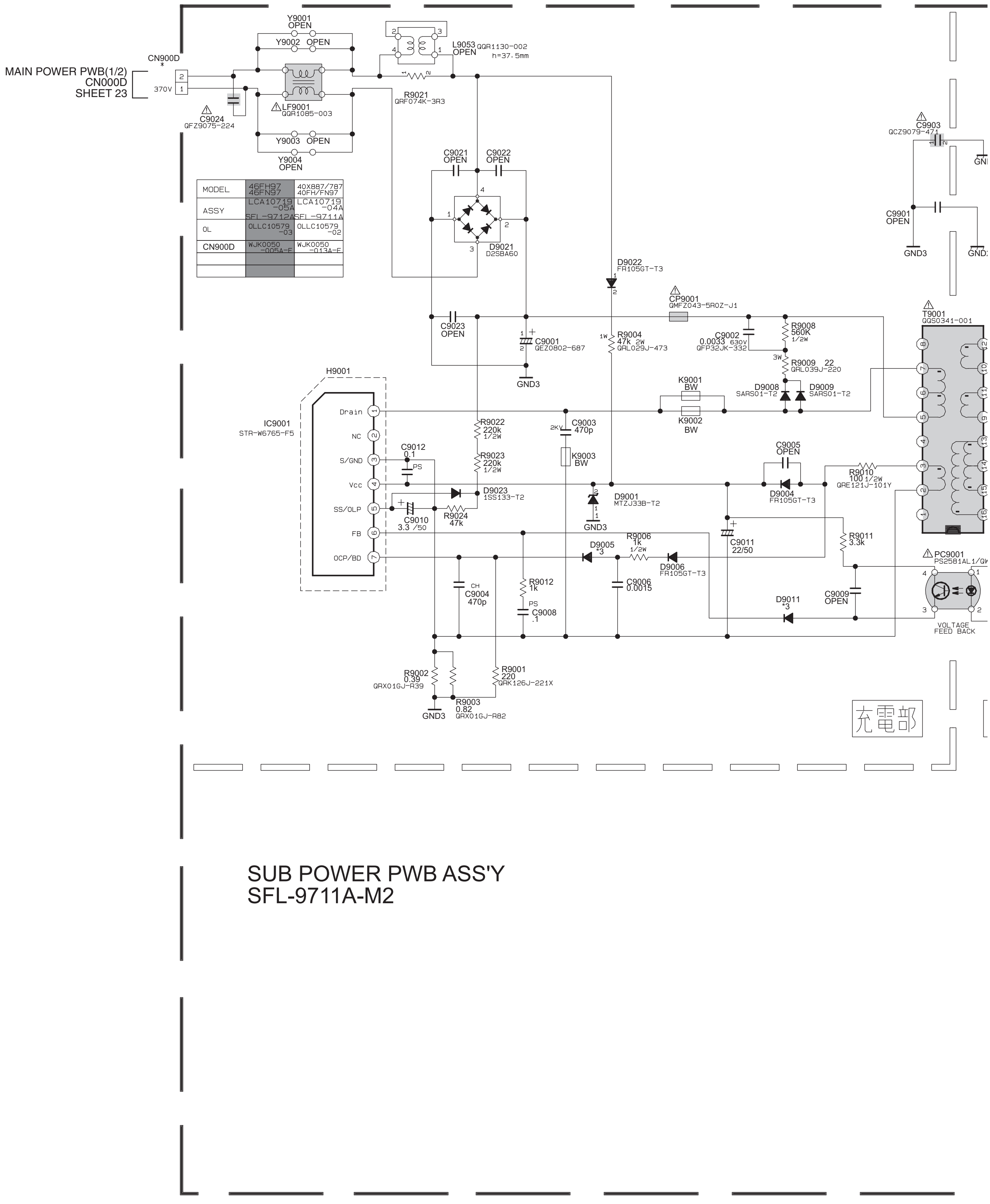
| NOTE | JPN | US |
|---|---|---|
| ASSY NO. | SFL-1304A | SFL-1305A |
|  | OLLC10560 | OLLC10560 -02 |
| IC2101 | SN74LVC126APW -X | OPEN |
| Q2101 | RT1N441C-X | OPEN |
| D2101 | 1SS355W-X | OPEN |
| D2102 | 1SS355W-X | OPEN |
| D2103 | 1SS355W-X | OPEN |
| D2104 | 1SS355W-X | OPEN |
| C2101 | NCB11CK-225X | OPEN |
| C2103 | NCF31CZ-104X | OPEN |
| C2104 | NCF31AZ-105X | OPEN |
| R2103 | 33 | OPEN |
| R2104 | 33 | OPEN |
| R2105 | 10K | OPEN |
| R2106 | 1K | OPEN |
| R2107 | 47K | OPEN |
| R2108 | 33 | OPEN |
| R2109 | 33 | OPEN |
| R2110 | 33 | OPEN |
| R2111 | 33 | OPEN |


OPTICAL PWB ASS'Y
SFL-2501A-M2
CN00DA
QGA1217C1-03X
3
2
1
GND
R2501
0
C2501
0.1 /50
GND
G

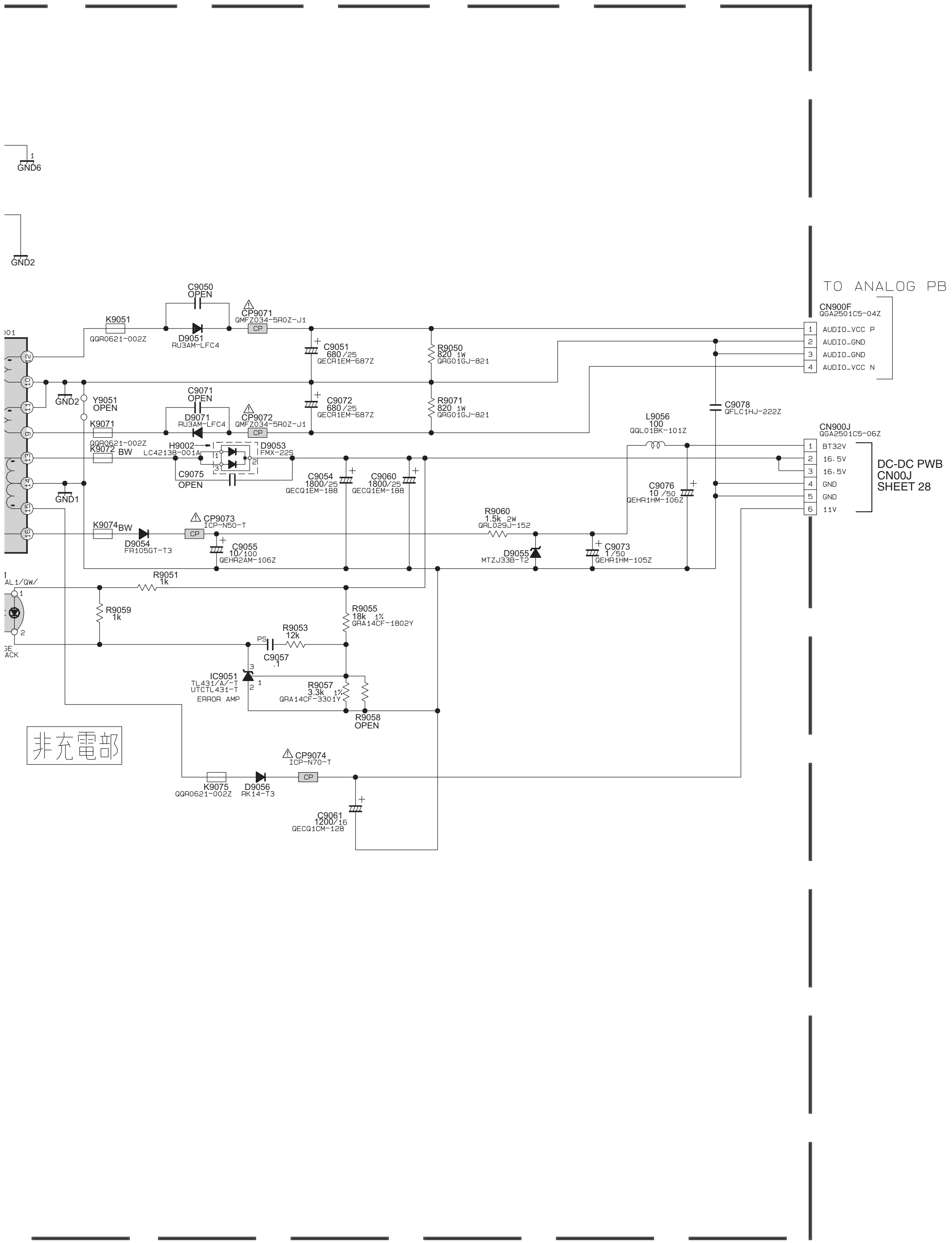

IC2501
QNZ0727-001
1
2
3
GND

c40090a001_0427_1/1_0.0

# *SUB POWER PWB CIRCUIT DIAGRAM  SHEET 31*


MAIN POWER PWB(1/2)
CN000D
SHEET 23
CN900D
*
370V
Y9001
OPEN
Y9002 OPEN
Y9003 OPEN
Y9004
OPEN
LF9001
QQR1085-003
C9024
QFZ9075-224
L9053 QQR1130-002
OPEN
h=37.5mm
R9021
QRF074K-3R3
C9021
OPEN
C9022
OPEN
D9021
D2SBA60
D9022
FR105GT-T3
CP9001
QMFZ043-5R0Z-J1
C9023
OPEN
C9001
QEZ0802-687
GND3
1W
R9004
47k 2W
QRL029J-473
C9002
0.0033 630V
QFP32JK-332
R9008
560K
1/2W
3W
R9009 22
QRL039J-220
D9008
SARS01-T2
D9009
SARS01-T2
K9001
BW
K9002
BW
T9001
QQS0341-001
H9001
IC9001
STR-W6765-F5
Drain
NC
S/GND
Vcc
SS/OLP
FB
OCP/BD
R9022
220k
1/2W
R9023
220k
1/2W
C9012
0.1
PS
2KV
C9003
470p
K9003
BW
D9023
1SS133-T2
D9001
MTZJ33B-T2
GND3
C9010
3.3 /50
R9024
47k
C9005
OPEN
D9004
FR105GT-T3
R9010
100 1/2W
QRE121J-101Y
C9011
22/50
R9011
3.3k
D9005
*3
R9006
1k
1/2W
D9006
FR105GT-T3
CH
C9004
470p
R9012
1k
PS
C9008
.1
C9006
0.0015
D9011
*3
C9009
OPEN
PC9001
PS2581AL1/QW
VOLTAGE
FEED BACK
R9002
0.39
QRX01GJ-R39
R9001
220
QRK126J-221X
R9003
0.82
QRX01GJ-R82
GND3
C9903
QCZ9079-471
C9901
OPEN
GND3
充電部
SUB POWER PWB ASS'Y
SFL-9711A-M2

| MODEL | 46FH97<br>46FN97 | 40X887/787<br>40FH/FN97 |
|---|---|---|
| ASSY | LCA10719<br>-05A<br>SFL-9712A | LCA10719<br>-04A<br>SFL-9711A |
| OL | OLLC10579<br>-03 | OLLC10579<br>-02 |
| CN900D | WJK0050<br>-005A-E | WJK0050<br>-013A-E |
|  |  |  |
|  |  |  |

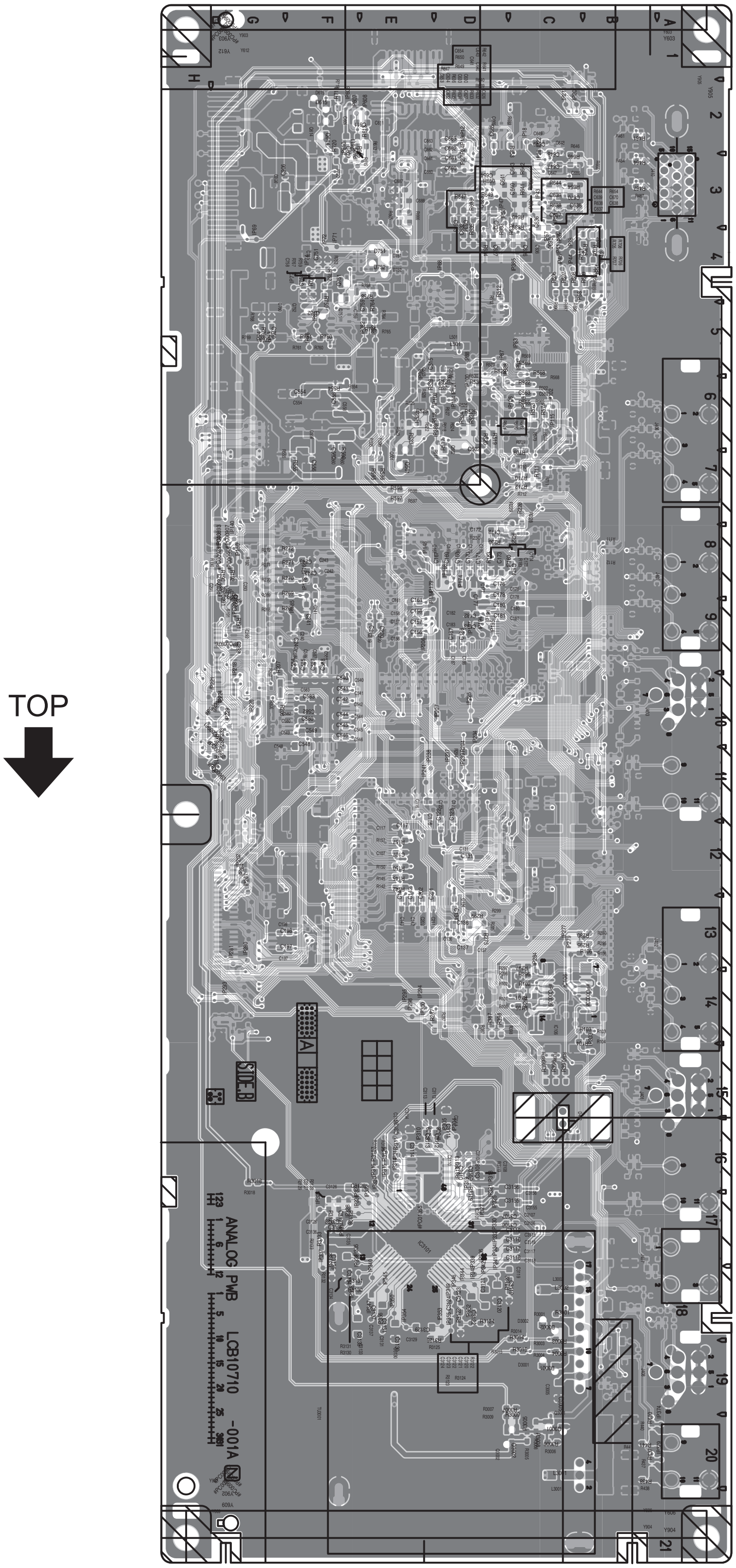


GND6
1
GND2
C9050
OPEN
K9051
QQR0621-002Z
D9051
RU3AM-LFC4
CP9071
QMFZ034-5R0Z-J1
CP
C9051
680/25
QECR1EM-687Z
R9050
820 1W
QRG01GJ-821
001
12
10
11
9
13
14
15
16
GND2
Y9051
OPEN
C9071
OPEN
D9071
RU3AM-LFC4
CP9072
QMFZ034-5R0Z-J1
C9072
680/25
QECR1EM-687Z
R9071
820 1W
QRG01GJ-821
K9071
QQR0621-002Z
K9072
BW
H9002
LC42138-001A
D9053
FMX-22S
1
2
3
C9075
OPEN
C9054
1800/25
QECQ1EM-188
C9060
1800/25
QECQ1EM-188
GND1
K9074
BW
D9054
FR105GT-T3
CP9073
ICP-N50-T
C9055
10/100
QEHR2AM-106Z
R9060
1.5k 2W
QRL029J-152
D9055
MTZJ33B-T2
C9073
1/50
QEHR1HM-105Z
L9056
100
QQL01BK-101Z
C9076
10/50
QEHR1HM-106Z
C9078
QFLC1HJ-222Z
TO ANALOG PB
CN900F
QGA2501C5-04Z
1 AUDIO_VCC P
2 AUDIO_GND
3 AUDIO_GND
4 AUDIO_VCC N
CN900J
QGA2501C5-06Z
1 BT32V
2 16.5V
3 16.5V
4 GND
5 GND
6 11V
DC-DC PWB
CN00J
SHEET 28
1
AL1/QW/
GE
ACK
R9051
1k
R9059
1k
R9055
18k 1%
QRA14CF-1802Y
R9053
12k
PS
C9057
.1
IC9051
TL431/A/-T
UTCTL431-T
ERROR AMP
3
1
2
R9057
3.3k 1%
QRA14CF-3301Y
R9058
OPEN
非充電部
CP9074
ICP-N70-T
K9075
QQR0621-002Z
D9056
RK14-T3
C9061
1200/16
QECQ1CM-128

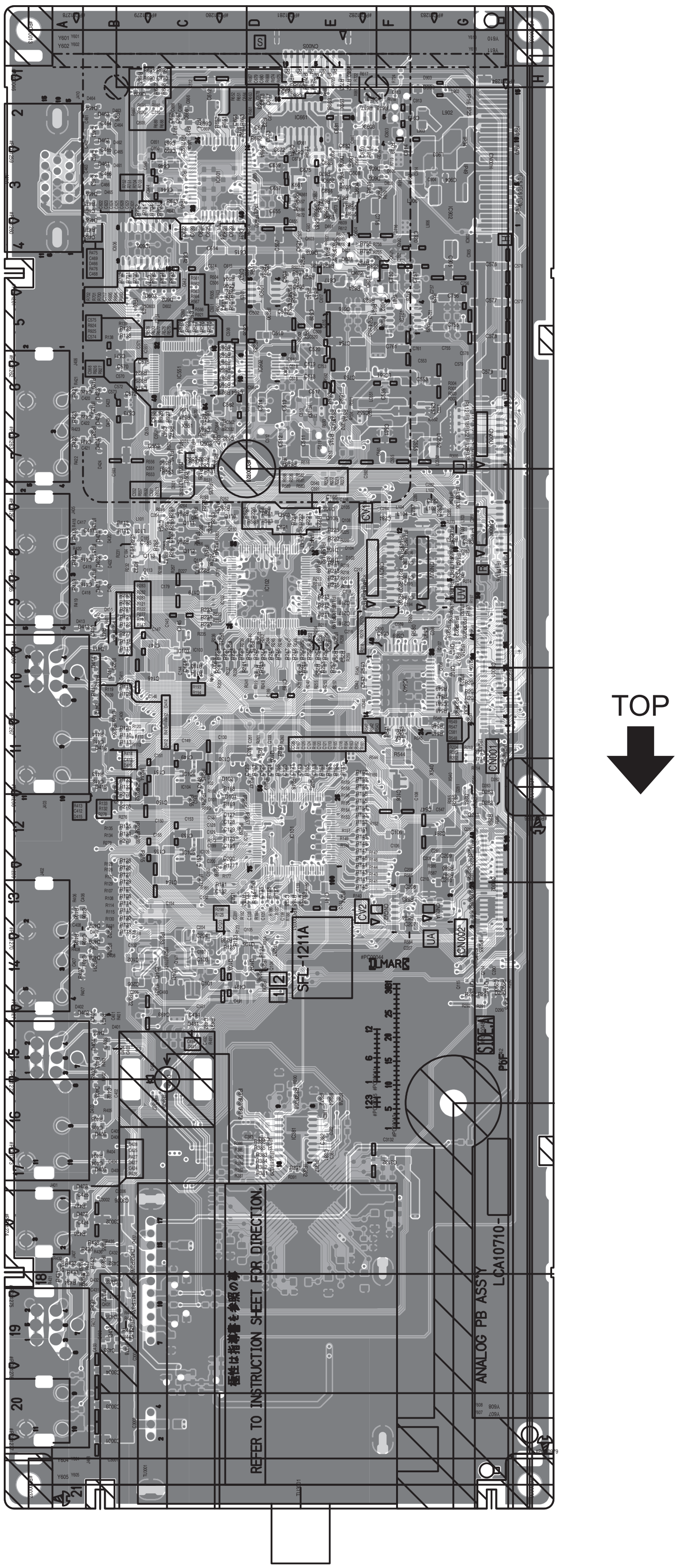
c10461001a001_0510_1/1_0.0

# PATTERN DIAGRAMS

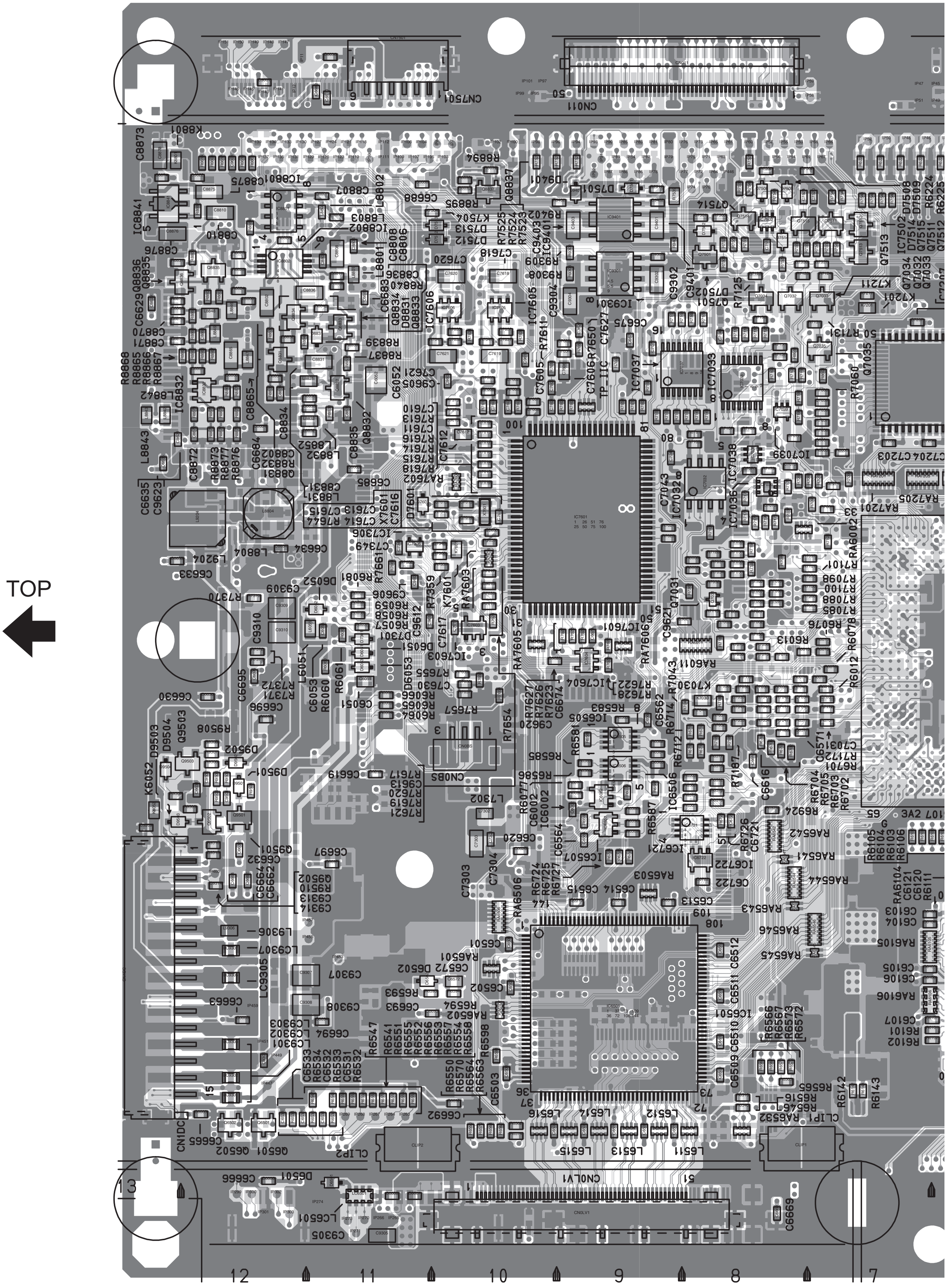
*ANALOG PWB PATTERN [SOLDER SIDE]*

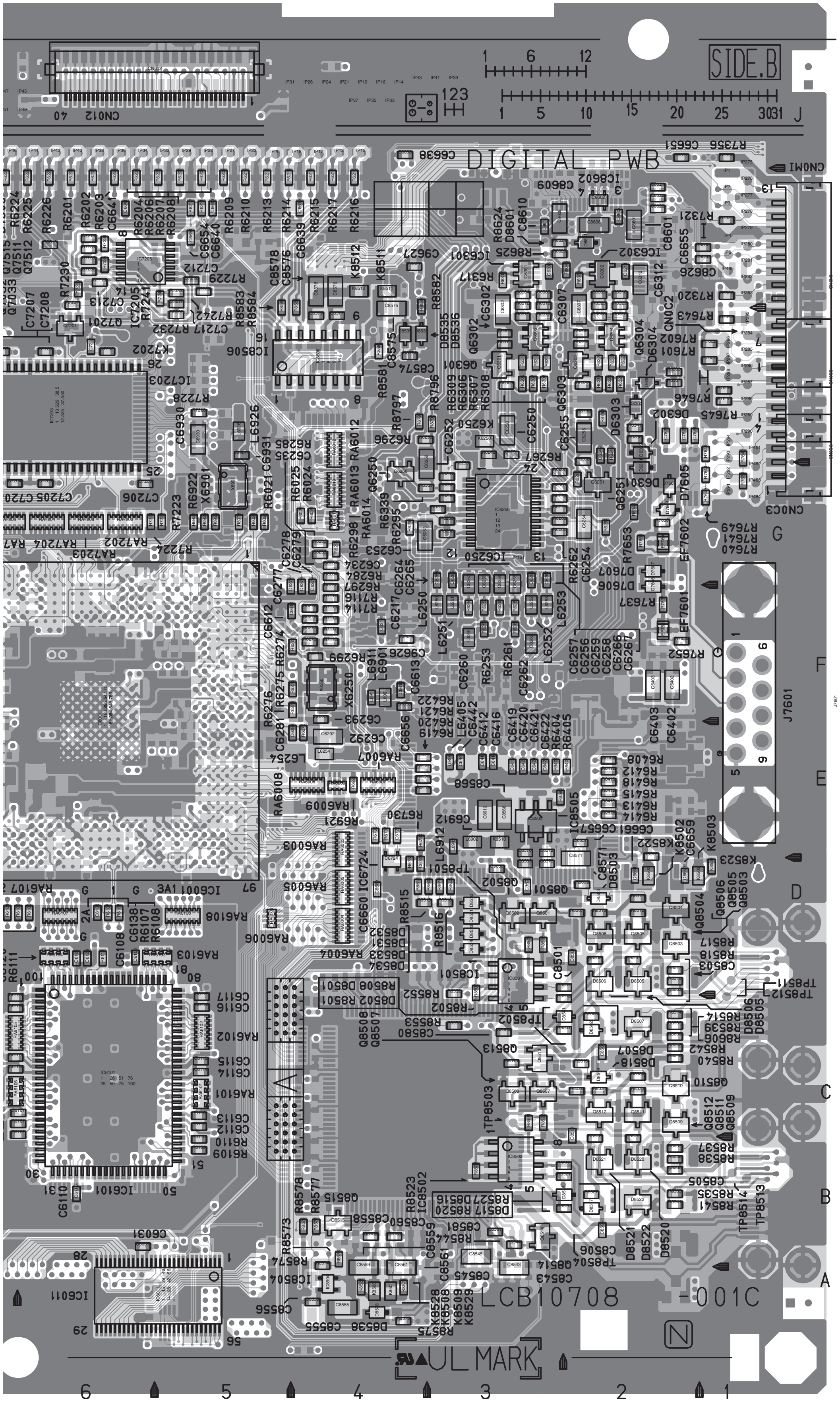

TOP
A
B
C
D
E
F
G
H
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
ANALOG PWB LCB10710 -001A
SIDE B

*ANALOG PWB PATTERN [PARTS SIDE]*

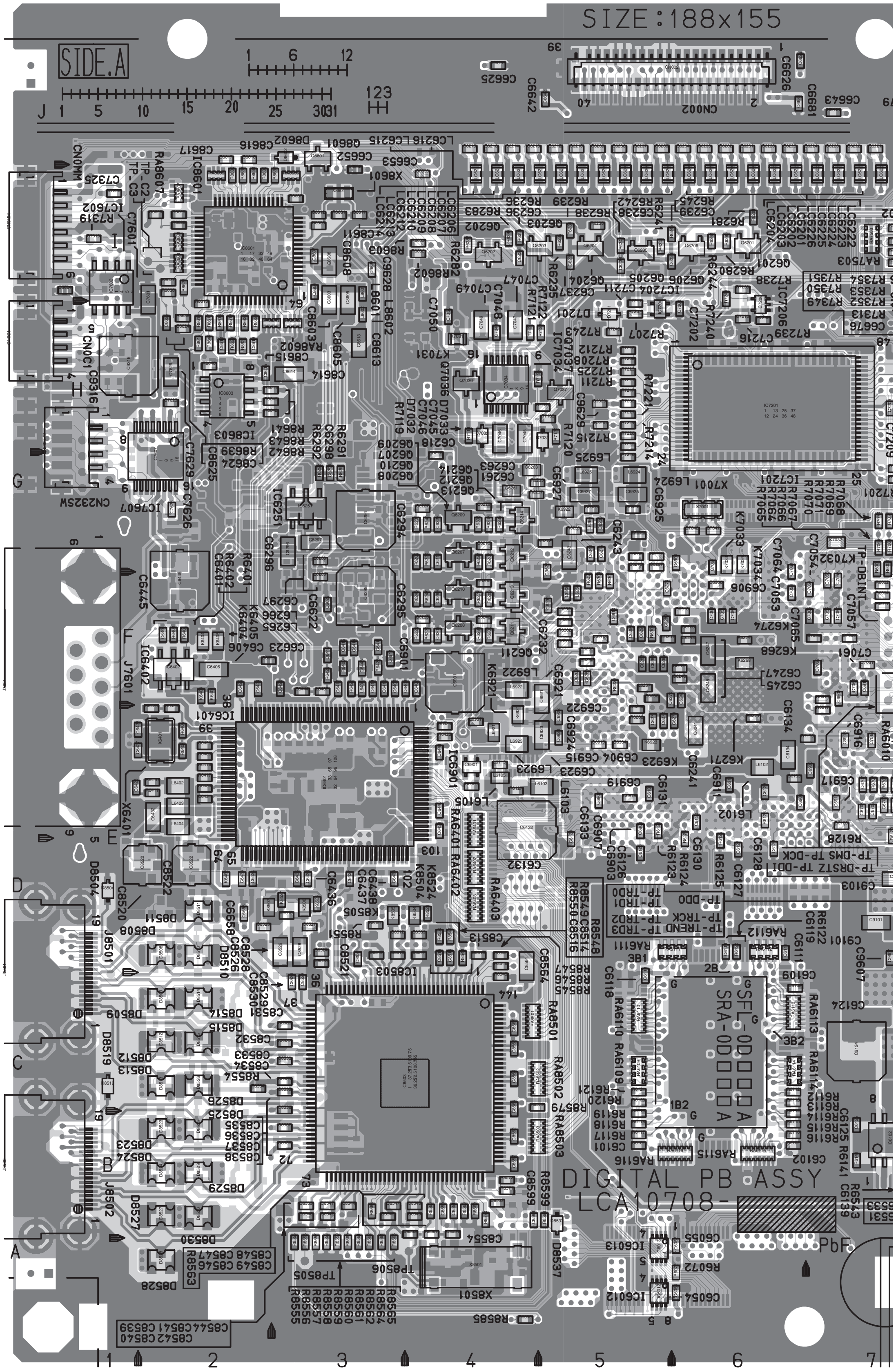

TOP
A
B
C
D
E
F
G
H
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
CN001
CN002
SIDE-A
SFL-1211A
ANALOG PB ASS'Y
LCA10710-
REFER TO INSTRUCTION SHEET FOR DIRECTION.
極性は指示書を参照の事

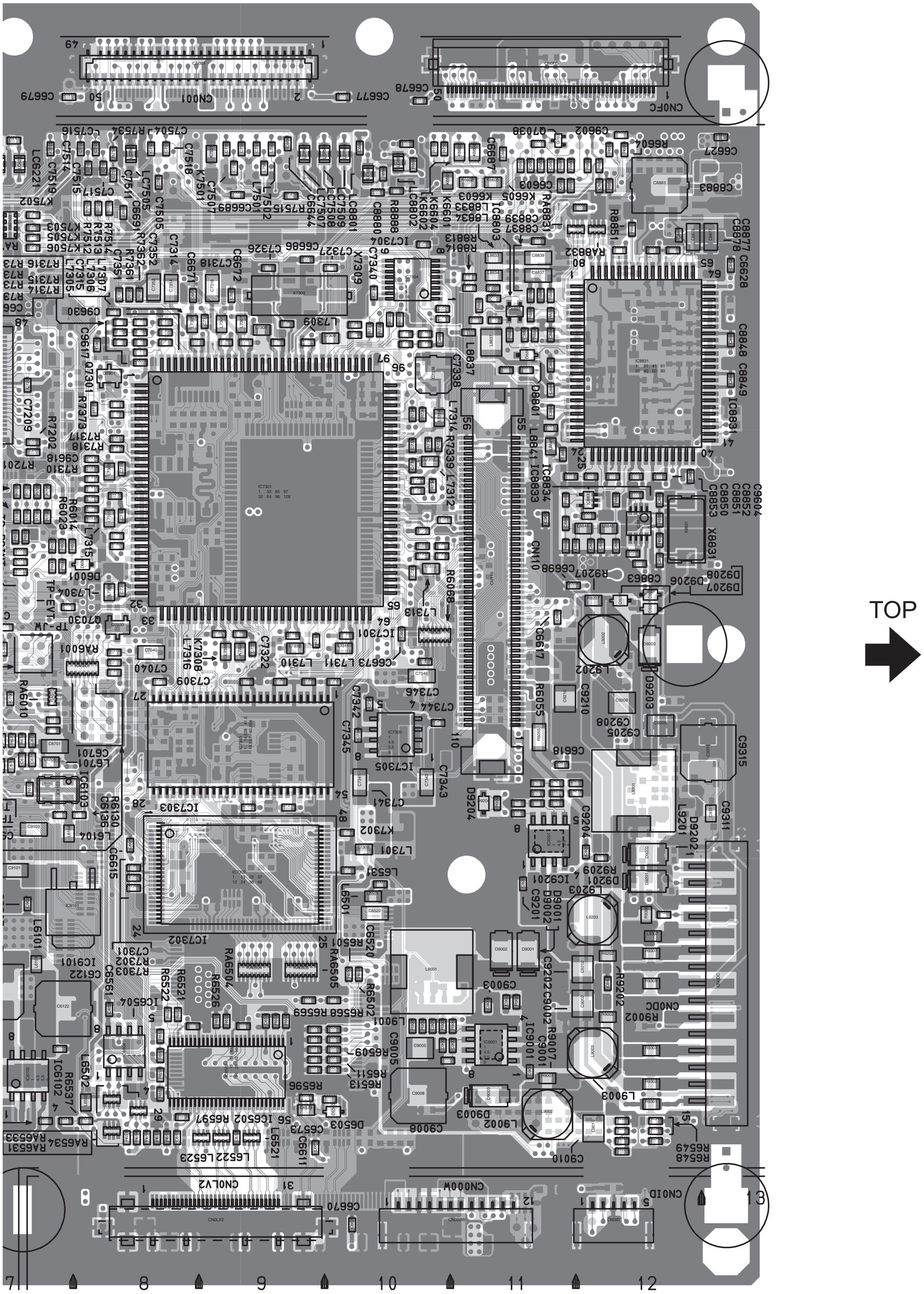
*DIGITAL PWB PATTERN [SOLDER SIDE]*


TOP
CN7501
CN011
IC7601
IC6501
IC9401
IC9301
IC7033
IC7038
IC7039
IC8801
IC8802
IC8841
IC8832
CN0LV1
CN1DC
CN0BS
CLIP1
CLIP2
13
12
11
10
9
8
7

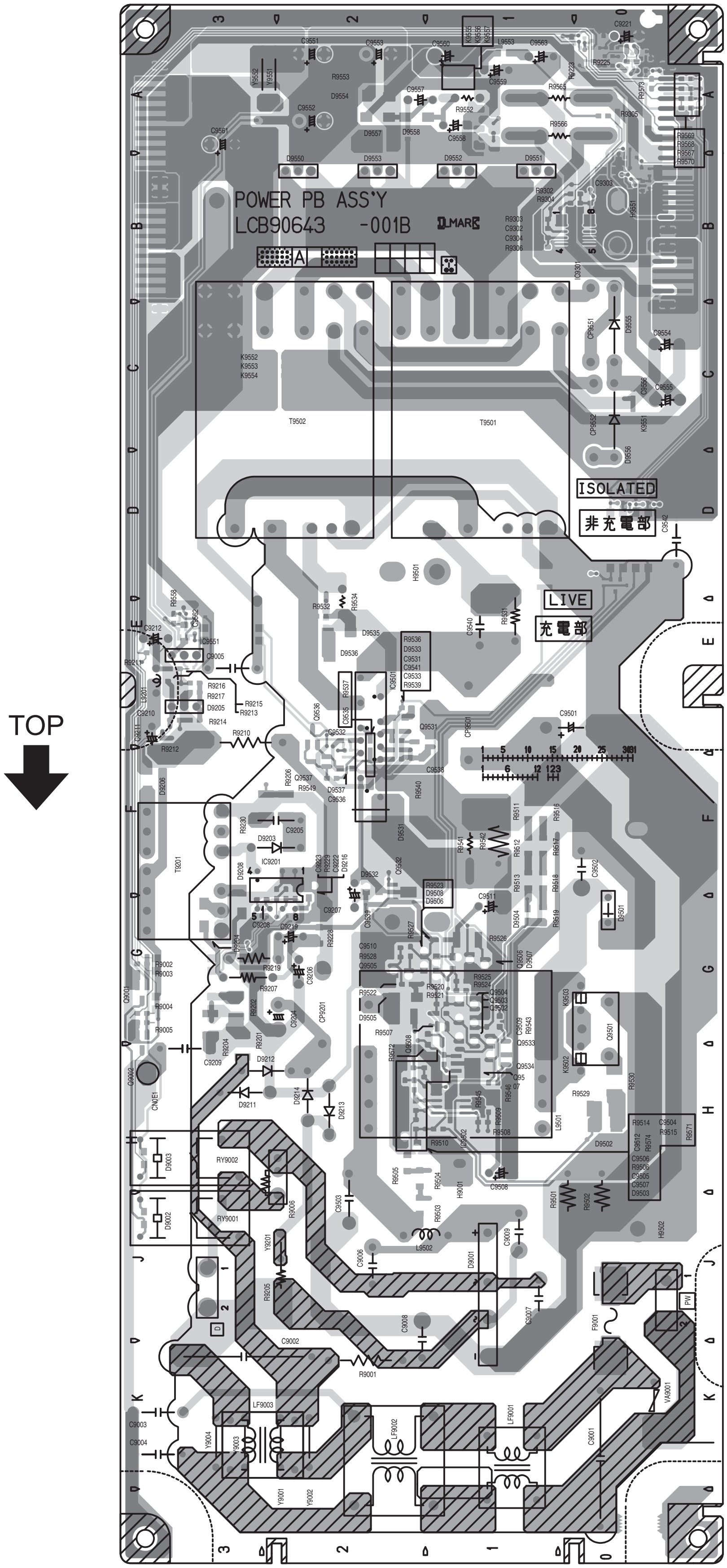

SIDE.B
DIGITAL PWB
CN012
CN0M1
CN0C2
CN0C3
J7601
IC6101
IC6011
IC6250
IC8502
IC8501
IC8506
LCB10708
-001C
UL MARK
A
B
C
D
E
F
G
1
2
3
4
5
6

## *DIGITAL PWB PATTERN [PARTS SIDE]*


SIZE:188x155
SIDE.A
DIGITAL PB ASSY
LCA10708-
PbF
CN002
CN2325W
J7601
J8501
J8502
IC6401
IC8503
IC7201
IC8601
X6401
X7001
X8501
X8601
A
B
C
D
E
F
G
J
1
2
3
4
5
6
7

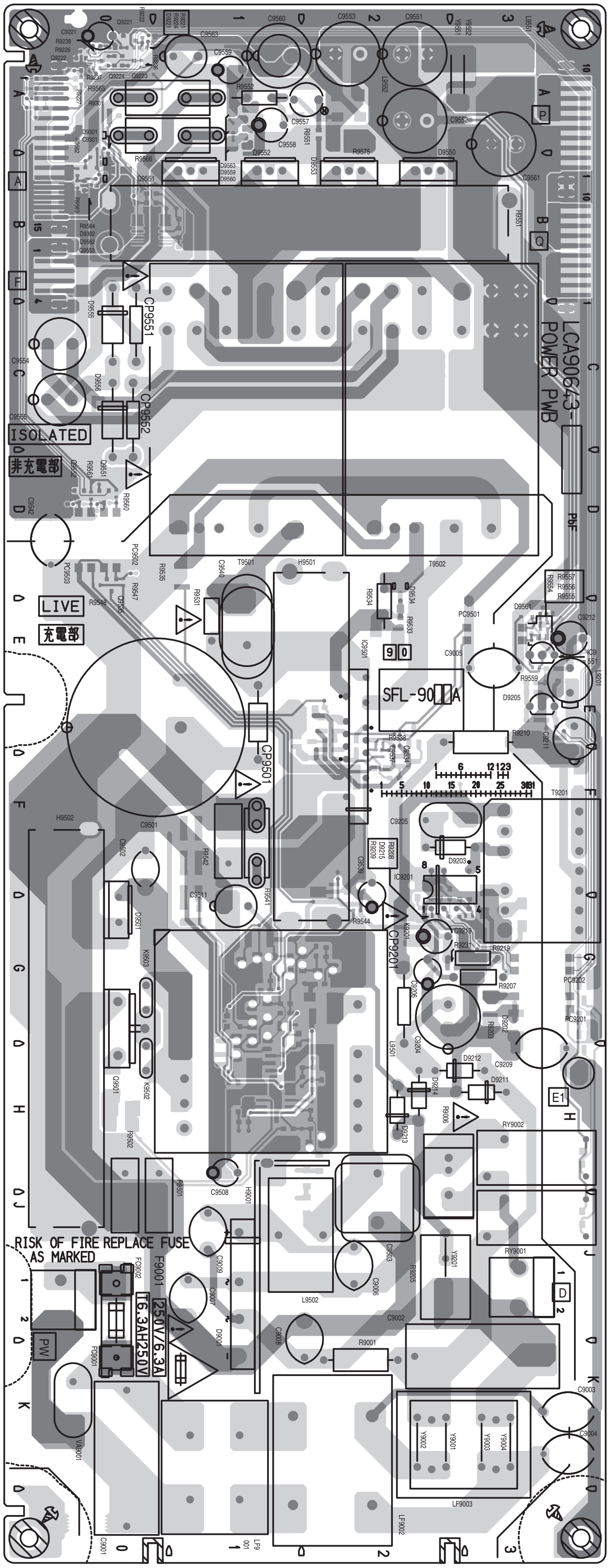

TOP
CN001
CN0FC
CN110
CN0DC
CN0LV2
CN000W
CN0ID
IC7301
IC7302
IC7303
IC7305
IC8831
IC8833
IC8834
IC6502
IC6504
IC6102
IC9001
IC9201
IC9101
IC6109
X7309
X8831
L9001
L9002
L9003
L9201
L9202
L9203
C9315
C9311
C9008
C9910
D9201
D9202
D9203
D9204
D9206
D9207
D9208
RA6001
RA6504
RA6505
7
8
9
10
11
12
13

*MAIN POWER PWB PATTERN [SOLDER SIDE]*


TOP
POWER PB ASS'Y
LCB90643 -001B
ISOLATED
非充電部
LIVE
充電部
T9502
T9501
T9201
K9552
K9553
K9554
RY9002
RY9001
LF9003
LF9002
LF9001
C9001
C9002
C9003
C9004
R9001
F9001
PW
IC9201
IC9501
IC9301
Q9501
D9001
L9502
L9501
L9553
H9501
H9001
H9502
VA9001
CN001
A
B
C
D
E
F
G
H
J
K
0
1
2
3

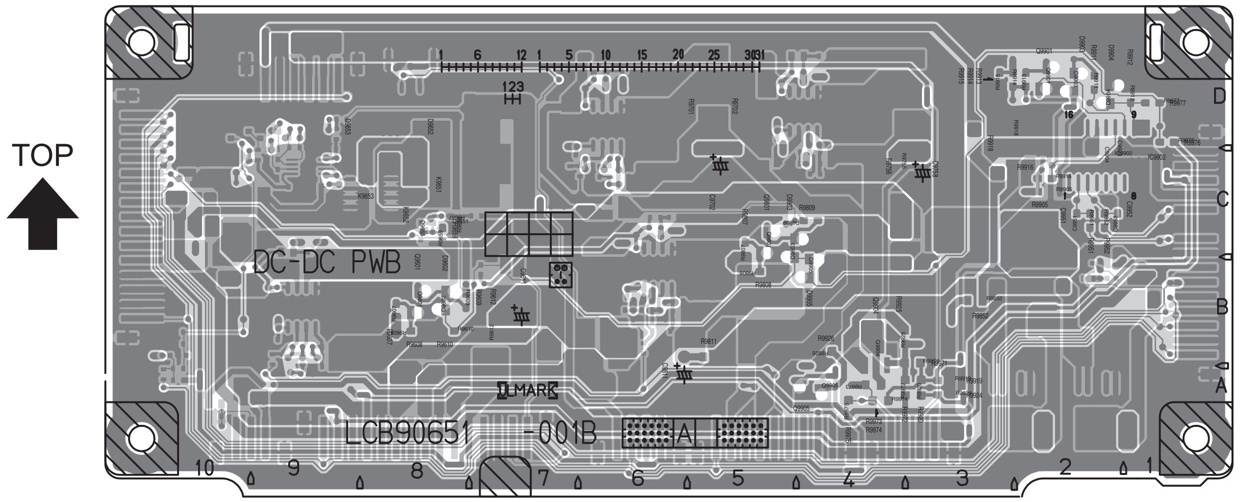
## *MAIN POWER PWB PATTERN [PARTS SIDE]*

CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S)
AND ROHM'S MFR'S TYPE CP(S).

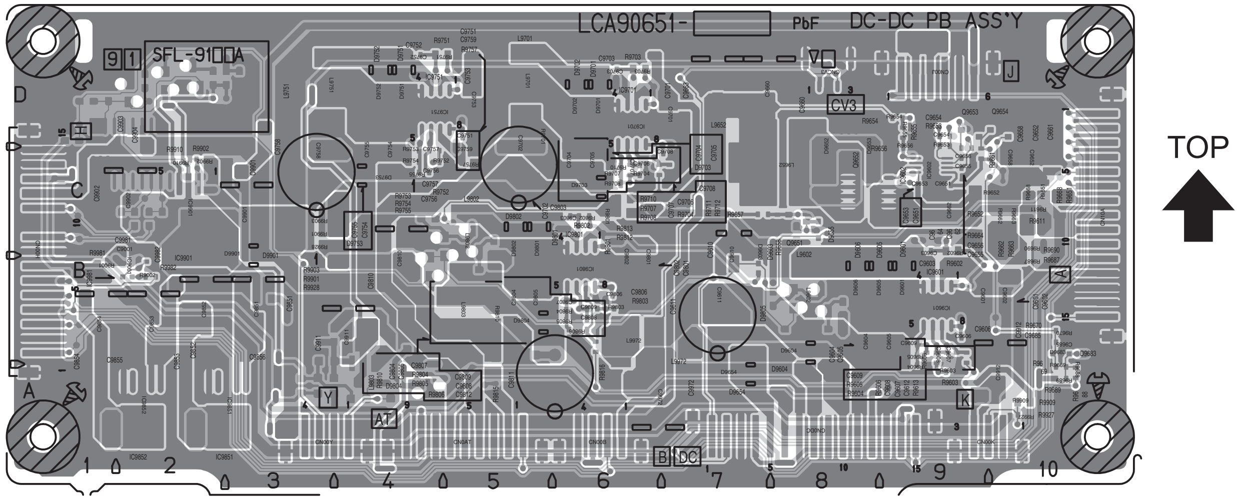

LCA90643-
POWER PWB
PbF
ISOLATED
非充電部
LIVE
充電部
SFL-90
CP9551
CP9552
CP9501
CP9201
T9501
T9502
T9201
H9501
H9502
IC9201
RY9001
RY9002
LF9003
LF9002
RISK OF FIRE REPLACE FUSE
AS MARKED
F9001
250V 6.3A
T6.3AH250V
F09001
F09002
PW
E1
A
B
C
D
E
F
G
H
J
K
0
1
2
3

TOP

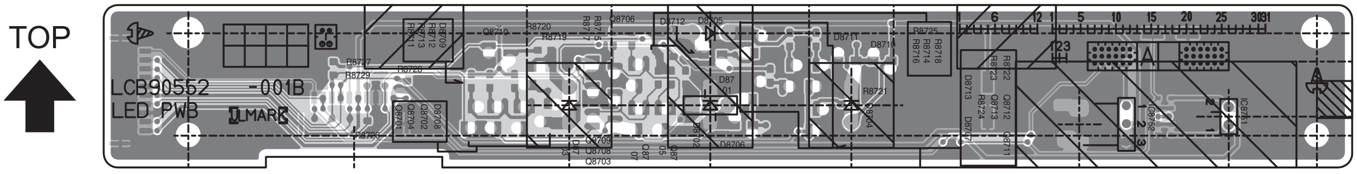
*DC-DC PWB PATTERN [SOLDER SIDE]*


TOP
DC-DC PWB
LCB90651 -001B
A
D
C
B
A
10
9
8
7
6
5
4
3
2
1

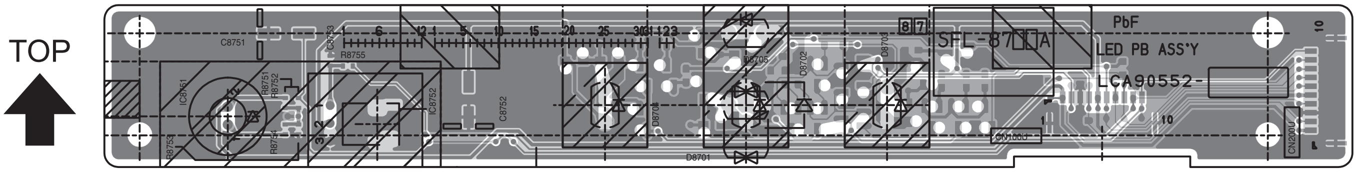
*DC-DC PWB PATTERN [PARTS SIDE]*


LCA90651-
PbF
DC-DC PB ASS'Y
SFL-91
A
TOP
D
C
B
A
CV3
J
K
Y
AT
B
DC
1
2
3
4
5
6
7
8
9
10

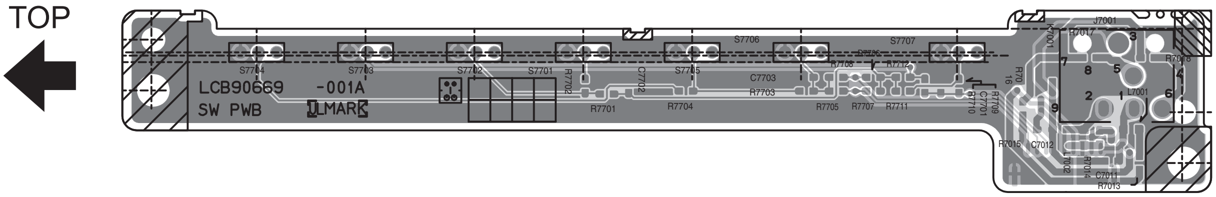
*LED PWB PATTERN [SOLDER SIDE]*


TOP
LCB90552 -001B
LED PWB
A

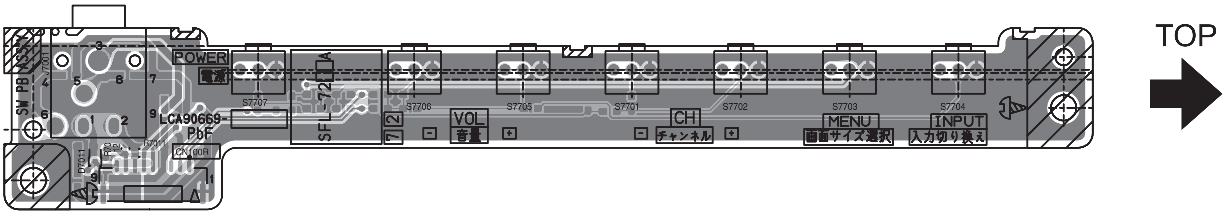
*LED PWB PATTERN [PARTS SIDE]*


TOP
SFL-87
A
PbF
LED PB ASS'Y
LCA90552-

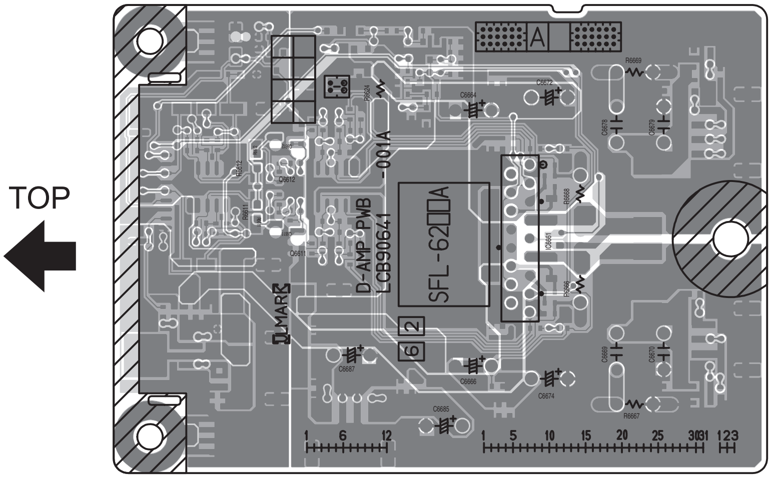
*SW PWB PATTERN [SOLDER SIDE]*


TOP
LCB90669 -001A
SW PWB
S7704
S7703
S7702
S7701
S7705
S7706
S7707
C7703
R7703
R7701
R7704
R7705
R7707
R7711
J7001
L7001
C7012
C7011
R7013

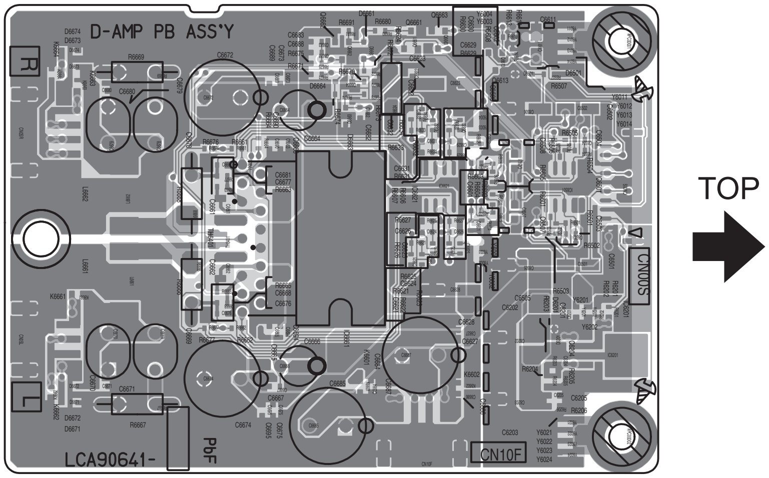
*SW PWB PATTERN [PARTS SIDE]*


TOP
POWER
電源
LCA90669-
PbF
CN100R
SW PB
S7707
S7706
S7705
S7701
S7702
S7703
S7704
SFL-72
VOL
音量
CH
チャンネル
MENU
画面サイズ選択
INPUT
入力切り換え
R7011

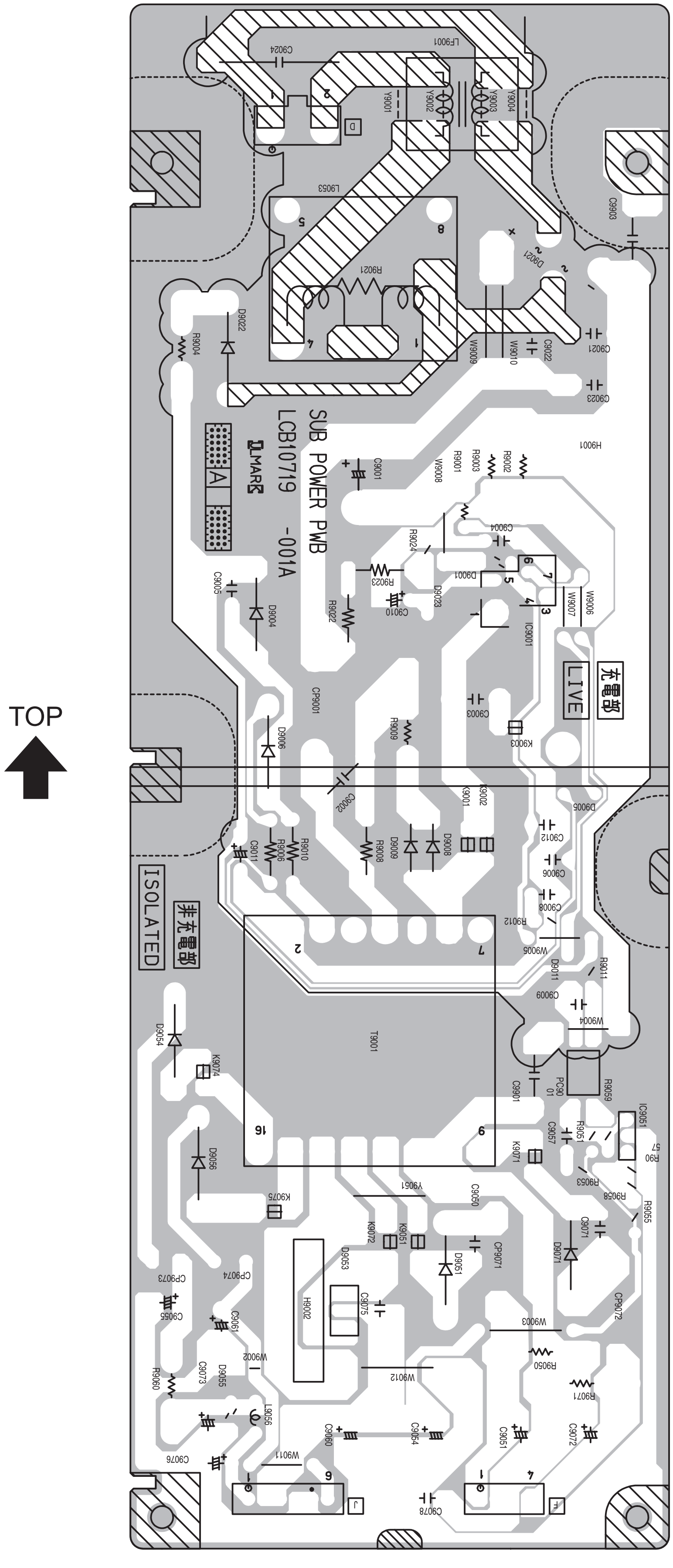
*D-AMP PWB PATTERN [SOLDER SIDE]*


TOP
A
D-AMP PWB
LCB90641 -001A
SFL-62
6
2
1
6
12
1
5
10
15
20
25
30
31
1
2
3

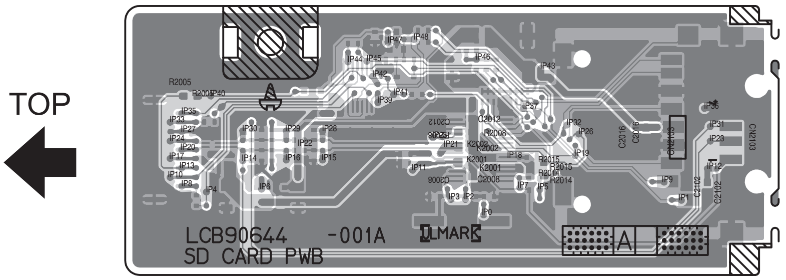
*D-AMP PWB PATTERN [PARTS SIDE]*


TOP
D-AMP PB ASS'Y
R
L
LCA90641-
PbF
CN005
CN10F

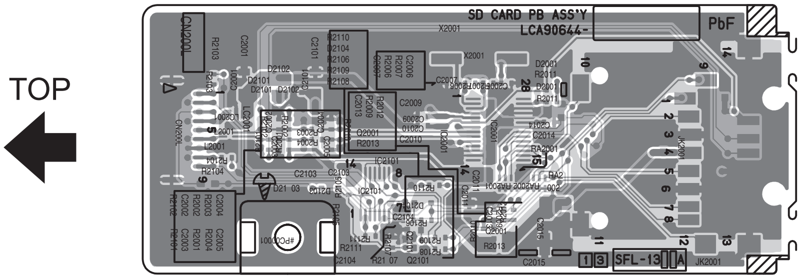
*SUB POWER PWB PATTERN*


TOP
SUB POWER PWB
LCB10719 -001A
LIVE
充電部
ISOLATED
非充電部
LF9001
C9024
Y9001
Y9002
Y9003
Y9004
C9903
L9053
D9021
R9021
D9022
R9004
W9009
W9010
C9022
C9021
C9023
H9001
C9001
W9008
R9001
R9003
R9002
C9004
R9024
D9001
R9023
C9010
D9023
R9022
IC9001
W9007
W9006
C9005
D9004
CP9001
C9003
K9003
R9009
D9006
C9002
K9001
K9002
D9005
C9012
C9011
R9006
R9010
R9008
D9009
D9008
C9006
C9008
R9012
W9005
D9011
R9011
C9009
W9004
T9001
C9901
PC9001
R9059
IC9051
C9057
R9051
R9057
K9071
R9053
R9058
R9055
D9054
K9074
D9056
K9075
Y9051
C9050
K9051
K9072
D9053
D9051
CP9071
C9071
D9071
CP9072
CP9073
CP9074
H9002
C9075
C9055
C9061
W9003
R9050
R9071
W9002
D9055
C9073
R9060
W9012
L9056
C9060
C9054
C9051
C9072
C9076
W9011
C9078

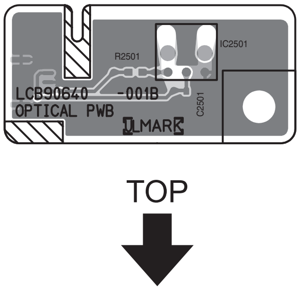
## SD CARD PWB PATTERN [SOLDER SIDE]


TOP
LCB90644 -001A
SD CARD PWB
A

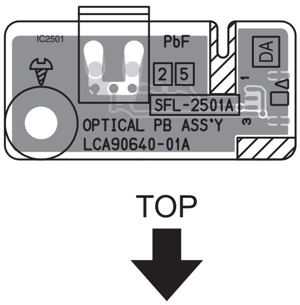
## SD CARD PWB PATTERN [PARTS SIDE]


TOP
SD CARD PB ASS'Y
LCA90644-
PbF
CN2001
1 3
SFL-13
A
JK2001

## OPTICAL PWB PATTERN [SOLDER SIDE]


IC2501
R2501
LCB90640 -001B
OPTICAL PWB
C2501
TOP

## OPTICAL PWB PATTERN [PARTS SIDE]


IC2501
PbF
2 5
DA
SFL-2501A
OPTICAL PB ASS'Y
LCA90640-01A
1
3
TOP

# VOLTAGE CHARTS

<ANALOG PWB>

[P.2-7 -P.2-8]

| MODE PIN NO. | DC (V) |
|---|---|
| IC101 | |
| 1 | 4.4 |
| 2 | 4.4 |
| 3 | 0 |
| 4 | 4.4 |
| 5 | 4.4 |
| 6 | 0 |
| 7 | 4.5 |
| 8 | 4.4 |
| 9 | 0 |
| 10 | 4.4 |
| 11 | 4.4 |
| 12 | 0 |
| 13 | 4.4 |
| 14 | 4.4 |
| 15 | 4.4 |
| 16 | 4.4 |
| 17 | 4.5 |
| 18 | 8.9 |
| 19 | 4.5 |
| 20 | 4.4 |
| 21 | 0 |
| 22 | 4.4 |
| 23 | 4.4 |
| 24 | 0 |
| 25 | 4.4 |
| 26 | 4.4 |
| 27 | 0 |
| 28 | 4.4 |
| 29 | 4.4 |
| 30 | 8.9 |
| 31 | 4.5 |
| 32 | 4.4 |
| 33 | 4.4 |
| 34 | 4.5 |
| 35 | 4.5 |
| 36 | 4.5 |
| 37 | 1.4 |
| 38 | 1.9 |
| 39 | 1.4 |
| 40 | 1.9 |
| 41 | 0 |
| 42 | 2.1 |
| 43 | 1.6 |
| 44 | 5.2 |
| 45 | 1.9 |
| 46 | 0 |
| 47 | 2.1 |
| 48 | 5.2 |
| 49 | 1.9 |
| 50 | 1.6 |
| 51 | 4.9 |
| 52 | 5.0 |
| 53 | 5.2 |
| 54 | 5.2 |
| 55 | 2.5 |
| 56 | 5.2 |
| 57 | 2.5 |
| 58 | 2.1 |
| 59 | 2.1 |
| 60 | 2.5 |
| 61 | 5.2 |
| 62 | 2.5 |
| 63 | 0.3 |
| 64 | 0 |
| 65 | 0 |
| 66 | 0 |
| 67 | 5.1 |
| 68 | 2.5 |
| 69 | 0.3 |
| 70 | 2.1 |
| 71 | 5.1 |
| 72 | 2.5 |
| 73 | 5.1 |
| 74 | 2.5 |
| 75 | 1.3 |
| 76 | 0.3 |
| 77 | 2.1 |
| 78 | 1.4 |
| 79 | 2.6 |
| 80 | 5.2 |
| 81 | 2.3 |
| 82 | 0 |
| 83 | 2.8 |
| 84 | 0 |
| 85 | 2.5 |
| 86 | 5.1 |
| 87 | 2.5 |
| 88 | 0.2 |
| 89 | 2.2 |
| 90 | 0 |
| 91 | 2.5 |
| 92 | 2.8 |
| 93 | 2.5 |
| 94 | 0.1 |
| 95 | 0.1 |
| 96 | 5.1 |
| 97 | 2.5 |
| 98 | 5.1 |
| 99 | 2.5 |
| 100 | 2.5 |
| IC102 | |
| 1 | 0 |
| 2 | 2.4 |
| 3 | 2.5 |
| 4 | 2.4 |
| 5 | 2.5 |
| 6 | 2.4 |
| 7 | 2.5 |
| 8 | 2.4 |
| 9 | 0 |
| 10 | 2.4 |
| 11 | 2.2 |
| 12 | 2.4 |
| 13 | 0 |
| 14 | 0.3 |
| 15 | 0.3 |
| 16 | 0 |
| 17 | 2.4 |
| 18 | 0 |
| 19 | 2.4 |
| 20 | 0 |
| 21 | 2.4 |
| 22 | 0 |
| 23 | 0 |
| 24 | 4.9 |
| 25 | 4.9 |
| 26 | 0 |
| 27 | 3.4 |
| 28 | 3.3 |
| 29 | 0 |
| 30 | 0 |
| 31 | 5.2 |
| 32 | 1.4 |
| 33 | 0 |
| 34 | 0 |
| 35 | 0 |
| 36 | 0 |
| 37 | 3.5 |
| 38 | 3.4 |
| 39 | 0.2 |
| 40 | 0 |
| 41 | 0 |
| 42 | 2.2 |
| 43 | 1.0 |
| 44 | 0 |
| 45 | 1.0 |
| 46 | 2.3 |
| 47 | 1.9 |
| 48 | 1.9 |
| 49 | 3.0 |
| 50 | 5.2 |
| 51 | 5.1 |
| 52 | 1.9 |
| 53 | 2.0 |
| 54 | 3.0 |
| 55 | 2.6 |
| 56 | 2.5 |
| 57 | 5.2 |
| 58 | 0 |
| 59 | 0 |
| 60 | 2.2 |
| 61 | 0 |
| 62 | 0 |
| 63 | 5.2 |
| 64 | 2.5 |
| 65 | 2.5 |
| 66 | 2.4 |
| 67 | 2.5 |
| 68 | 2.5 |
| 69 | 2.5 |
| 70 | 2.4 |
| 71 | 5.1 |
| 72 | 2.4 |
| 73 | 5.1 |
| 74 | 2.4 |
| 75 | 0 |
| 76 | 0.3 |
| 77 | 0 |
| 78 | 2.4 |
| 79 | 0 |
| 80 | 2.1 |
| 81 | 0 |
| 82 | 0 |
| 83 | 0 |
| 84 | 0 |
| 85 | 0 |
| 86 | 2.4 |
| 87 | 0 |
| 88 | 2.4 |
| 89 | 2.8 |
| 90 | 2.4 |
| 91 | 0 |
| 92 | 0 |
| 93 | 0.2 |
| 94 | 2.4 |
| 95 | 0 |
| 96 | 2.4 |
| 97 | 0 |
| 98 | 0 |
| 99 | 0 |
| 100 | 5.1 |
| IC106 | |
| 1 | 4.4 |
| 2 | 0 |
| 3 | 4.4 |
| 4 | 4.4 |
| 5 | 7.3 |
| 6 | 0 |
| 7 | 0 |
| 8 | 4.4 |
| 9 | 0.1 |
| 10 | 4.4 |
| 11 | 4.4 |
| 12 | 0 |
| 13 | 0 |
| 14 | 0 |
| Q101 | |
| E | 0 |
| C | 0 |
| B | 7.3 |
| Q102 | |
| E | 0 |
| C | 7.3 |
| B | 0.1 |
| Q106 | |
| S | 3.3 |
| D | 3.0 |
| G | 4.9 |
| Q107 | |
| S | 3.3 |
| D | 3.1 |
| G | 5.0 |
| Q108 | |
| E | 0 |
| C | 0 |
| B | 0.6 |
| Q109 | |
| E | 2.6 |
| C | 0 |
| B | 1.9 |
| Q110 | |
| E | 2.2 |
| C | 0 |
| B | 1.4 |
| Q111 | |
| E | 2.2 |
| C | 0 |
| B | 1.3 |
| Q112 | |
| E | 1.8 |
| C | 0 |
| B | 1.1 |
| Q113 | |
| E | 2.3 |
| C | 5.1 |
| B | 3.0 |
| Q281 | |
| E | 8.8 |
| C | 0 |
| B | 8.8 |
| CN0UA | |
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| CN0UV | |
| 1 | 0 |
| 2 | 0.1 |
| 3 | 0 |
| 4 | 1.1 |
| 5 | 0 |
| 6 | 0.9 |
| 7 | 0 |
| 8 | 1.1 |
| 9 | 0 |
| 10 | 0 |
| 11 | 0 |
| 12 | 0 |
| 13 | 0 |

[P.2-9 -P.2-10]

| MODE PIN NO. | DC (V) |
|---|---|
| Q431 | |
| E | 0 |
| C | 0 |
| B | 0 |
| Q432 | |
| E | 0 |
| C | 0 |
| B | 0 |
| Q433 | |
| E | 0 |
| C | 0 |
| B | 0 |

[P.2-11 -P.2-12]

| MODE PIN NO. | DC (V) |
|---|---|
| IC381 | |
| 1 | 0 |
| 2 | 4.8 |
| 3 | 4.9 |
| 4 | 0 |
| 5 | 0 |
| 6 | 0 |
| 7 | 5.2 |
| 8 | 0 |
| 9 | 0 |
| 10 | 5.2 |
| 11 | 0 |
| 12 | 0 |
| 13 | 5.2 |
| 14 | 0 |
| 15 | 0 |
| 16 | 5.2 |
| IC3101 | |
| 1 | 4.1 |
| 2 | 4.1 |
| 3 | 4.1 |
| 4 | 0 |
| 5 | 4.8 |
| 6 | 4.9 |
| 7 | 0 |
| 8 | 4.1 |
| 9 | 4.1 |
| 10 | 4.1 |
| 11 | 4.0 |
| 12 | 5.3 |
| 13 | 4.1 |
| 14 | 1.3 |
| 15 | 0 |
| 16 | 0 |
| 17 | 0 |
| 18 | 4.0 |
| 19 | 8.9 |
| 20 | 0 |
| 21 | 4.1 |
| 22 | 4.1 |
| 23 | 0 |
| 24 | 0 |
| 25 | 4.1 |
| 26 | 3.9 |
| 27 | 4.1 |
| 28 | 1.7 |
| 29 | 0 |
| 30 | 0 |
| 31 | 1.7 |
| 32 | 4.0 |
| 33 | 4.1 |
| 34 | 0 |
| 35 | 4.1 |
| 36 | 4.1 |
| 37 | 0 |
| 38 | 0.1 |
| 39 | 4.1 |
| 40 | 4.1 |
| 41 | 0.7 |
| 42 | 0 |
| 43 | 0 |
| 44 | 0 |
| 45 | 4.1 |
| 46 | 4.1 |
| 47 | 4.1 |
| 48 | 4.1 |
| Q3001 | |
| E | 2.5 |
| C | 0 |
| B | 1.9 |
| Q3002 | |
| E | 2.0 |
| C | 0 |
| B | 2.5 |
| TU3001 | |
| 1 | - |
| 2 | 0 |
| 3 | 5.1 |
| 4 | 0 |
| 5 | - |
| 6 | - |
| 7 | 0.9 |
| 8 | 2.2 |
| 9 | 0 |
| 10 | 5.0 |
| 11 | 4.9 |
| 12 | 2.0 |
| 13 | 2.6 |
| 14 | 0 |
| 15 | 31.3 |
| 16 | 2.2 |
| 17 | 2.1 |
| 18 | - |
| 19 | - |
| 20 | - |
| 21 | - |

[P.2-13 -P.2-14]

| MODE PIN NO. | DC (V) |
|---|---|
| IC552 | |
| 1 | 5.3 |
| 2 | 0 |
| 3 | 0.9 |
| 4 | 1.5 |
| 5 | 3.3 |

[P.2-15 -P.2-16]

| MODE PIN NO. | DC (V) |
|---|---|
| IC601 | |
| 1 | 6.0 |
| 2 | 6.1 |
| 3 | 6.1 |
| 4 | 6.1 |
| 5 | 6.1 |
| 6 | 6.1 |
| 7 | 0.7 |
| 8 | 6.1 |
| 9 | 6.1 |
| 10 | 6.1 |
| 11 | 0.5 |
| 12 | 0.5 |
| 13 | 1.0 |
| 14 | 7.4 |
| 15 | 4.8 |
| 16 | 4.3 |
| 17 | 4.8 |
| 18 | 4.9 |
| 19 | 0 |
| 20 | 12.1 |
| 21 | 0 |
| 22 | 6.1 |
| 23 | 4.8 |
| 24 | 0 |
| 25 | 4.7 |
| 26 | 0 |
| 27 | 5.1 |
| 28 | 4.5 |
| 29 | 6.1 |
| 30 | 6.1 |
| 31 | 6.1 |
| 32 | 6.1 |
| 33 | 6.1 |
| 34 | 0 |
| 35 | 6.1 |
| 36 | 6.1 |
| 37 | 6.1 |
| 38 | 6.1 |
| 39 | 6.1 |
| 40 | 6.1 |
| 41 | 0 |
| 42 | 6.1 |
| 43 | 6.1 |
| 44 | 6.1 |
| 45 | 6.1 |
| 46 | 6.1 |
| 47 | 6.1 |
| 48 | 6.2 |
| IC606 | |
| 1 | 0 |
| 2 | 5.0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 5.2 |
| 6 | 0 |
| 7 | 0 |
| 8 | 0 |
| 9 | 5.2 |
| 10 | 0 |
| 11 | 0 |
| 12 | 0 |
| 13 | 5.2 |
| 14 | 0 |
| 15 | 0 |
| 16 | 5.2 |
| IC661 | |
| 1 | 0 |
| 2 | 1.2 |
| 3 | 1.2 |
| 4 | 0 |
| 5 | 3.3 |
| 6 | 3.3 |
| 7 | 3.1 |
| 8 | 0 |
| 9 | 1.4 |
| 10 | 0 |
| 11 | 3.3 |
| 12 | 0 |
| 13 | 1.6 |
| 14 | 1.6 |
| 15 | 1.2 |
| 16 | 1.2 |
| IC751 | |
| 1 | 2.0 |
| 2 | 0 |
| 3 | 2.1 |
| 4 | 0 |
| 5 | 0 |
| 6 | 0 |
| 7 | 2.1 |
| 8 | 0.2 |
| Q614 | |
| E | 8.1 |
| C | -0.1 |
| B | 8.7 |
| Q621 | |
| E | 5.0 |
| C | 0 |
| B | 5.2 |
| Q622 | |
| E | 0 |
| C | 5.2 |
| B | 0 |
| Q751 | |
| E | 0 |
| C | 0 |
| B | 0 |
| Q752 | |
| E | 0 |
| C | 0 |
| B | 2.6 |

[P.2-17 -P.2-18]

| MODE PIN NO. | DC (V) |
|---|---|
| IC902 | |
| 1 | 4.9 |
| 2 | 0 |
| 3 | 3.3 |

<DIGITAL PWB>

[P.2-19 -P.2-20]

| MODE PIN NO. | DC (V) |
|---|---|
| Q7501 | |
| E | 0 |
| C | 1.2 |
| B | 1.9 |

[P.2-27 -P.2-28]

| MODE PIN NO. | DC (V) |
|---|---|
| IC6250 | |
| 1 | 0 |
| 2 | 5.2 |
| 3 | 1.6 |
| 4 | 0 |
| 5 | 0 |
| 6 | 0 |
| 7 | 0 |
| 8 | 0 |
| 9 | 5.2 |
| 10 | 0 |
| 11 | 0 |
| 12 | 0 |
| 13 | 0 |
| 14 | 0 |
| 15 | 0.8 |
| 16 | 5.2 |
| 17 | 0 |
| 18 | 0 |
| 19 | 0 |
| 20 | 1.7 |
| 21 | 0 |
| 22 | 0 |
| 23 | 5.2 |
| 24 | 0 |
| IC6251 | |
| 1 | 1.5 |
| 2 | 0 |
| 3 | 0 |
| 4 | 5.3 |
| 5 | 3.3 |
| Q6201 | |
| E | 2.5 |
| C | 0 |
| B | 0 |
| Q6202 | |
| E | 3.2 |
| C | 0 |
| B | 2.6 |
| Q6203 | |
| E | 2.6 |
| C | 0 |
| B | 1.8 |
| Q6204 | |
| E | 2.9 |
| C | 0 |
| B | 2.2 |
| Q6205 | |
| E | 3.0 |
| C | 0 |
| B | 2.2 |
| Q6206 | |
| E | 0 |
| C | 0 |
| B | 0 |
| Q6207 | |
| E | 1.3 |
| C | 5.3 |
| B | 2.1 |
| Q6208 | |
| E | 1.4 |
| C | 5.3 |
| B | 2.1 |
| Q6209 | |
| E | 1.5 |
| C | 0 |
| B | 2.1 |
| Q6210 | |
| E | 1.4 |
| C | 5.3 |
| B | 0 |
| Q6211 | |
| E | 2.2 |
| C | 5.3 |
| B | 2.9 |
| Q6212 | |
| E | 2.3 |
| C | 5.3 |
| B | 3.0 |
| Q6213 | |
| E | 0 |
| C | 5.3 |
| B | 0 |
| Q6214 | |
| E | 1.3 |
| C | 5.3 |
| B | 2.0 |
| Q6250 | |
| E | 1.6 |
| C | 5.2 |
| B | 2.1 |
| Q6251 | |
| E | 2.1 |
| C | 5.2 |
| B | 2.1 |

[P.2-29 -P.2-30]

| MODE PIN NO. | DC (V) |
|---|---|
| IC6001 | - |
| IC6002 | |
| 1 | 1.0 |
| 2 | 1.2 |
| 3 | 0 |
| 4 | 1.2 |
| 5 | 3.3 |
| IC6724 | |
| 1 | 0 |
| 2 | 3.3 |
| 3 | 0 |
| 4 | 3.3 |

[P.2-33 -P.2-34]

| MODE PIN NO. | DC (V) |
|---|---|
| IC6101 | |
| 1 | 1.2 |
| 2 | 2.5 |
| 3 | 1.3 |
| 4 | 1.2 |
| 5 | 0 |
| 6 | 1.2 |
| 7 | 1.2 |
| 8 | 2.5 |
| 9 | 1.2 |
| 10 | 1.2 |
| 11 | 0 |
| 12 | 1.2 |
| 13 | 1.2 |
| 14 | 2.5 |
| 15 | 2.5 |
| 16 | 0 |
| 17 | 1.2 |
| 18 | 1.2 |
| 19 | 0 |
| 20 | 1.3 |
| 21 | 1.2 |
| 22 | 2.5 |
| 23 | 0.6 |
| 24 | 0.6 |
| 25 | 1.8 |
| 26 | 1.8 |
| 27 | 1.8 |
| 28 | 0 |
| 29 | 0.6 |
| 30 | 0.6 |
| 31 | 0.6 |
| 32 | 0.6 |
| 33 | 0.6 |
| 34 | 0.6 |
| 35 | 2.5 |
| 36 | 0.6 |
| 37 | 0.6 |
| 38 | 0 |
| 39 | 0 |
| 40 | 0 |
| 41 | 0 |
| 42 | 0 |
| 43 | 0 |
| 44 | 0.1 |
| 45 | 0.6 |
| 46 | 0 |
| 47 | 0.6 |
| 48 | 0.6 |
| 49 | 0.6 |
| 50 | 0.6 |
| 51 | 0.6 |
| 52 | 0 |
| 53 | 0.6 |
| 54 | 1.2 |
| 55 | 1.2 |
| 56 | 0.6 |
| 57 | 0.6 |
| 58 | 1.2 |
| 59 | 2.5 |
| 60 | 1.2 |
| 61 | 1.2 |
| 62 | 0 |
| 63 | 1.1 |
| 64 | 1.2 |
| 65 | 2.5 |
| 66 | 0 |
| 67 | 2.5 |
| 68 | 1.2 |
| 69 | 1.2 |
| 70 | 0 |
| 71 | 1.2 |
| 72 | 1.2 |
| 73 | 2.5 |
| 74 | 1.2 |
| 75 | 1.2 |
| 76 | 0 |
| 77 | 1.3 |
| 78 | 1.2 |
| 79 | 2.5 |
| 80 | 1.0 |
| 81 | 1.2 |
| 82 | 0 |
| 83 | 1.2 |
| 84 | 1.2 |
| 85 | 0 |
| 86 | 2.5 |
| 87 | 0 |
| 88 | 0 |
| 89 | 0 |
| 90 | 0 |
| 91 | 0 |
| 92 | 0 |
| 93 | 0 |
| 94 | 1.3 |
| 95 | 2.5 |
| 96 | 2.5 |
| 97 | 1.2 |
| 98 | 1.2 |
| 99 | 0 |
| 100 | 1.2 |
| IC6102 | |
| 1 | 0 |
| 2 | 2.5 |
| 3 | 1.2 |
| 4 | 1.2 |
| 5 | 2.4 |
| 6 | 2.4 |
| 7 | 2.4 |
| 8 | 1.3 |

[P.2-35 -P.2-36]

| MODE PIN NO. | DC (V) |
|---|---|
| IC7201 | |
| 1 | 0.3 |
| 2 | 0.3 |
| 3 | 0.3 |
| 4 | 0.2 |
| 5 | 0.2 |
| 6 | 0.1 |
| 7 | 0.2 |
| 8 | 0.3 |
| 9 | 0.1 |
| 10 | 0 |
| 11 | 3.1 |
| 12 | 3.3 |
| 13 | 0 |
| 14 | 0 |
| 15 | 0 |
| 16 | 0 |
| 17 | 0 |
| 18 | 0.1 |
| 19 | 0.3 |
| 20 | 0.3 |
| 21 | 0.3 |
| 22 | 0.3 |
| 23 | 0.3 |
| 24 | 0.3 |
| 25 | 0 |
| 26 | 3.2 |
| 27 | 0 |
| 28 | 0.1 |
| 29 | 0.5 |
| 30 | 0.3 |
| 31 | 0.4 |
| 32 | 0.1 |
| 33 | 0.4 |
| 34 | 0.2 |
| 35 | 0.2 |
| 36 | 0.1 |
| 37 | 0 |
| 38 | 0.1 |
| 39 | 0.2 |
| 40 | 0.4 |
| 41 | 0.2 |
| 42 | 0.3 |
| 43 | 0.2 |
| 44 | 0.2 |
| 45 | 0.1 |
| 46 | 0 |
| 47 | 3.3 |
| 48 | 0.4 |
| IC7203 | |
| 1 | 0 |
| 2 | 0.4 |
| 3 | 0.4 |
| 4 | 0 |
| 5 | 0.4 |
| 6 | 0.3 |
| 7 | 0.2 |
| 8 | 0.4 |
| 9 | 0.2 |
| 10 | 0 |
| 11 | 0.4 |
| 12 | 0.3 |
| 13 | 3.3 |
| 14 | 2.7 |
| 15 | 3.2 |
| 16 | 0 |
| 17 | 3.2 |
| 18 | 2.5 |
| 19 | 0 |
| 20 | 0.1 |
| 21 | 0.2 |
| 22 | 0.3 |
| 23 | 0.4 |
| 24 | 0.4 |
| 25 | 3.3 |
| 26 | 0 |
| 27 | 0.2 |
| 28 | 0.3 |
| 29 | 0.3 |
| 30 | 0.3 |
| 31 | 0.3 |
| 32 | 0.3 |
| 33 | 0 |
| 34 | 3.3 |
| 35 | 0 |
| 36 | 2.7 |
| 37 | 0 |
| 38 | 3.3 |
| 39 | 0.5 |
| 40 | 0.5 |
| 41 | 0 |
| 42 | 0.3 |
| 43 | 0.2 |
| 44 | 3.2 |
| 45 | 0.2 |
| 46 | 0.3 |
| 47 | 0 |
| 48 | 0.4 |
| 49 | 0.1 |
| 50 | 0 |
| IC7204 | |
| 1 | 0 |
| 2 | 3.2 |
| 3 | 0 |
| 4 | 3.2 |

[P.2-37 -P.2-38]

| MODE PIN NO. | DC (V) |
|---|---|
| IC7033 | |
| 1 | 0 |
| 2 | 3.3 |
| 3 | 3.3 |
| 4 | 3.3 |
| 5 | 3.3 |
| 6 | 3.3 |
| 7 | 0 |
| 8 | 0 |
| 9 | 0 |
| 10 | 3.2 |
| 11 | 0 |
| 12 | 3.3 |
| 13 | 0 |
| 14 | 3.3 |
| 15 | 3.3 |
| 16 | 3.3 |
| IC7036 | |
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 3.3 |
| 5 | 3.2 |
| 6 | 0 |
| IC7039 | |
| 1 | 0 |
| 2 | 2.8 |
| 3 | 0 |
| 4 | 0 |
| 5 | 0 |
| Q7030 | |
| E | 0 |
| C | 3.0 |
| B | 0.1 |
| Q7032 | |
| E | 3.3 |
| C | 3.2 |
| B | 0 |
| Q7033 | |
| E | 3.3 |
| C | 0 |
| B | 0 |
| Q7034 | |
| E | 3.3 |
| C | 3.3 |
| B | 0 |
| Q7035 | |
| E | 3.3 |
| C | 3.2 |
| B | 0 |

[P.2-39 -P.2-40]

| MODE PIN NO. | DC (V) |
|---|---|
| IC6502 | |
| 1 | 3.3 |
| 2 | 1.1 |
| 3 | 1.4 |
| 4 | 1.3 |
| 5 | 0 |
| 6 | 1.1 |
| 7 | 0.2 |
| 8 | 0.7 |
| 9 | 3.3 |
| 10 | 0 |
| 11 | 0.6 |
| 12 | 0.8 |
| 13 | 0 |
| 14 | 0 |
| 15 | 0 |
| 16 | 0 |
| 17 | 0 |
| 18 | 0 |
| 19 | 0.8 |
| 20 | 0 |
| 21 | 0 |
| 22 | 0.8 |
| 23 | 0.9 |
| 24 | 1.3 |
| 25 | 1.6 |
| 26 | 3.3 |
| 27 | 0 |
| 28 | 0 |
| 29 | 0 |
| 30 | 2.8 |
| 31 | 1.3 |
| 32 | 2.9 |
| 33 | 0 |
| 34 | 3.1 |
| 35 | 0 |
| 36 | 0 |
| 37 | 1.2 |
| 38 | 1.2 |
| 39 | 0 |
| 40 | 0.1 |
| 41 | 0 |
| 42 | 1.3 |
| 43 | 0 |
| 44 | 3.3 |
| 45 | 1.1 |
| 46 | 1.3 |
| 47 | 1.2 |
| 48 | 1.3 |
| 49 | 0 |
| 50 | 1.5 |
| 51 | 1.1 |
| 52 | 0.6 |
| 53 | 0.1 |
| 54 | 0.6 |
| 55 | 0 |
| 56 | 1.3 |
| Q6501 | |
| E | 0 |
| C | 3.2 |
| B | 0 |
| Q6502 | |
| E | 0 |
| C | 2.8 |
| B | 0 |
| CN000W | |
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 0 |
| 6 | 0 |
| 7 | 0 |
| 8 | 3.0 |
| 9 | 2.9 |
| 10 | 0 |
| 11 | 1.6 |
| 12 | 0 |
| CN0LV2 | |
| 1 | 12.1 |
| 2 | 11.9 |
| 3 | 12.0 |
| 4 | 12.0 |
| 5 | 0 |
| 6 | 0 |
| 7 | 0 |
| 8 | 0.1 |
| 9 | 0.2 |
| 10 | 3.1 |
| 11 | 0 |
| 12 | 0 |
| 13 | 0 |
| 14 | 0 |
| 15 | 0 |
| 16 | 0 |
| 17 | 0 |
| 18 | 0 |

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| (V) |
|---|
| |
| 3.3 |
| 1.1 |
| 1.4 |
| 1.3 |
| 0 |
| 1.1 |
| 0.2 |
| 0.7 |
| 3.3 |
| 0 |
| 0.6 |
| 0.8 |
| 0 |
| 0 |
| 0 |
| 0 |
| 0 |
| 0 |
| 0.8 |
| 0 |
| 0 |
| 0.8 |
| 0.9 |
| 1.3 |
| 1.6 |
| 3.3 |
| 0 |
| 0 |
| 0 |
| 2.8 |
| 1.3 |
| 2.9 |
| 0 |
| 3.1 |
| 0 |
| 0 |
| 1.2 |
| 1.2 |
| 0 |
| 0.1 |
| 0 |
| 1.3 |
| 0 |
| 3.3 |
| 1.1 |
| 1.3 |
| 1.2 |
| 1.3 |
| 0 |
| 1.5 |
| 1.1 |
| 0.6 |
| 0.1 |
| 0.6 |
| 0 |
| 1.3 |
| |
| 0 |
| 3.2 |
| 0 |
| |
| 0 |
| 2.8 |
| 0 |
| |
| 0 |
| 0 |
| 0 |
| 0 |
| 0 |
| 0 |
| 0 |
| 3.0 |
| 2.9 |
| 0 |
| 1.6 |
| 0 |
| |
| 2.1 |
| 1.9 |
| 2.0 |
| 2.0 |
| 0 |
| 0 |
| 0 |
| 0.1 |
| 0.2 |
| 3.1 |
| 0 |
| 0 |
| 0 |
| 0 |
| 0 |
| 0 |
| 0 |
| 0 |

| MODE PIN NO. | DC (V) |
|---|---|
| 19 | 0 |
| 20 | 0 |
| 21 | 1.3 |
| 22 | 0 |
| 23 | 0 |
| 24 | 1.1 |
| 25 | 0.1 |
| 26 | 0 |
| 27 | 0.2 |
| 28 | 1.0 |
| 29 | 1.3 |
| 30 | 0 |
| 31 | 0 |

[P.2-45 -P.2-46]

| MODE PIN NO. | DC (V) |
|---|---|
| IC6901 | |
| 1 | 0 |
| 2 | 0 |
| 3 | 3.3 |
| 4 | 5.3 |
| IC9001 | |
| 1 | 8.2 |
| 2 | 16.4 |
| 3 | 3.3 |
| 4 | 0 |
| 5 | 0.9 |
| 6 | 1.3 |
| 7 | 0.8 |
| 8 | 0.9 |
| IC9101 | |
| 1 | 3.2 |
| 2 | 0 |
| 3 | 2.4 |
| IC9201 | |
| 1 | 6.1 |
| 2 | 16.5 |
| 3 | 1.1 |
| 4 | 0 |
| 5 | 0 |
| 6 | 1.2 |
| 7 | 3.2 |
| 8 | 0.9 |
| IC9301 | |
| 1 | 1.2 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0.3 |
| 5 | 3.3 |
| 6 | 0 |
| 7 | 0 |
| 8 | 3.3 |
| Q9501 | |
| E | 3.2 |
| C | 0 |
| B | 0 |
| Q9502 | |
| E | 0 |
| C | 0 |
| B | 0.6 |
| Q9503 | |
| E | 0 |
| C | 0 |
| B | 0.6 |

[P.2-47 -P.2-48]

| MODE PIN NO. | DC (V) |
|---|---|
| IC7601 | |
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 0 |
| 6 | 1.1 |
| 7 | 2.8 |
| 8 | 0 |
| 9 | 0 |
| 10 | 0 |
| 11 | 0 |
| 12 | 3.3 |
| 13 | 1.8 |
| 14 | 0 |
| 15 | 1.5 |
| 16 | 3.3 |
| 17 | 1.2 |
| 18 | 1.3 |
| 19 | 0 |
| 20 | 3.3 |
| 21 | 0 |
| 22 | 0 |
| 23 | 0 |
| 24 | 0 |
| 25 | 0 |
| 26 | 0 |
| 27 | 0.6 |
| 28 | 0.7 |
| 29 | 5.1 |
| 30 | 3.3 |
| 31 | 0 |
| 32 | 0 |
| 33 | 0 |
| 34 | 0 |
| 35 | 3.3 |
| 36 | 3.3 |
| 37 | 0.4 |
| 38 | 0.3 |
| 39 | 0 |
| 40 | 0 |
| 41 | 3.3 |
| 42 | 0 |
| 43 | 0 |
| 44 | 0 |
| 45 | 0 |
| 46 | 0 |
| 47 | 3.3 |
| 48 | 0 |
| 49 | 3.3 |
| 50 | 0 |
| 51 | 3.3 |
| 52 | 0 |
| 53 | 0 |
| 54 | 0 |
| 55 | 0 |
| 56 | 0 |
| 57 | 0 |
| 58 | 0 |
| 59 | 0 |
| 60 | 0 |
| 61 | 0 |
| 62 | 3.1 |
| 63 | 0 |
| 64 | 3.3 |
| 65 | 0 |
| 66 | 0 |
| 67 | 0 |
| 68 | 0 |
| 69 | 0 |
| 70 | 0 |
| 71 | 0 |
| 72 | 0 |
| 73 | 0 |
| 74 | 0 |
| 75 | 0 |
| 76 | 0 |
| 77 | 0 |
| 78 | 0 |
| 79 | 0 |
| 80 | 0 |
| 81 | 0 |
| 82 | 3.3 |
| 83 | 0 |
| 84 | 3.3 |
| 85 | 0.5 |
| 86 | 3.3 |
| 87 | 3.3 |
| 88 | 3.3 |
| 89 | 0 |
| 90 | 0 |
| 91 | 0 |
| 92 | 0 |
| 93 | 3.2 |
| 94 | 3.3 |
| 95 | 0.1 |
| 96 | 0.1 |
| 97 | 0 |
| 98 | 0 |
| 99 | 5.1 |
| 100 | 0 |
| IC7602 | |
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 3.2 |
| 6 | 3.2 |
| 7 | 0 |
| 8 | 3.2 |
| IC7603 | |
| 1 | 3.3 |
| 2 | 3.3 |
| 3 | 0 |
| 4 | 5.0 |
| 5 | 5.1 |
| IC7604 | |
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 3.2 |
| 5 | 3.3 |
| IC7605 | |
| 1 | 5.3 |
| 2 | 0.6 |
| 3 | 0.7 |
| 4 | 0 |
| 5 | 0 |
| 6 | 5.3 |
| IC7606 | |
| 1 | 5.3 |
| 2 | 1.6 |
| 3 | 1.6 |
| 4 | 2.5 |
| 5 | 0 |
| 6 | 5.3 |

[P.2-49 -P.2-50]

| MODE PIN NO. | DC (V) |
|---|---|
| CN0ID | |
| 1 | 3.2 |
| 2 | 3.3 |
| 3 | 0 |
| 4 | 0 |
| 5 | 0 |

<MAIN POWER PWB>
[P.2-51 -P.2-52]

| MODE PIN NO. | DC (V) |
|---|---|
| IC9201 | |
| 1 | 0 |
| 2 | 0 |
| 3 | NC |
| 4 | 130.3 |
| 5 | 16.1 |
| 6 | 2.2 |
| 7 | 1.1 |
| 8 | 5.6 |
| IC9502 | |
| 1 | 2.5 |
| 2 | 2.5 |
| 3 | 1.0 |
| 4 | 0 |
| 5 | 2.5 |
| 6 | 13.0 |
| 7 | 18.2 |
| 8 | |
| Q9001 | |
| E | 0 |
| C | 0 |
| B | 0.6 |
| Q9002 | |
| E | 0 |
| C | 0 |
| B | 0.7 |
| Q9501 | |
| S | 12.0 |
| D | 89.2 |
| G | 0 |
| Q9502 | |
| E | 0 |
| C | 4.5 |
| B | 0 |
| Q9503 | |
| E | 0 |
| C | 0 |
| B | 0.6 |
| Q9504 | |
| E | 0 |
| C | 4.5 |
| B | 0.4 |
| Q9505 | |
| E | 0 |
| C | 0 |
| B | 7.1 |
| Q9506 | |
| E | 0 |
| C | 0 |
| B | 0 |
| Q9507 | |
| E | 18.2 |
| C | 18.2 |
| B | 17.5 |
| Q9508 | |
| E | 0 |
| C | 0 |
| B | 4.6 |

[P.2-53 -P.2-54]

| MODE PIN NO. | DC (V) |
|---|---|
| IC9301 | |
| 1 | 0 |
| 2 | 4.5 |
| 3 | 3.6 |
| 4 | 0 |
| 5 | 0 |
| 6 | 0 |
| 7 | 0 |
| 8 | 9.1 |
| IC9501 | |
| 4 | 0 |
| 7 | 18.2 |
| 8 | 0 |
| 10 | 4.9 |
| 11 | 1.6 |
| 12 | 4.9 |
| 13 | 3.0 |
| 14 | 1.0 |
| 15 | 4.9 |
| 16 | 1.6 |
| 19 | 241.0 |
| 20 | 239.7 |
| 23 | 372.8 |
| IC9551 | |
| 1 | 9.2 |
| 2 | 0 |
| 3 | 2.4 |
| Q9531 | |
| E | 0 |
| C | 0 |
| B | 0.6 |
| Q9532 | |
| E | 18.1 |
| C | 18.2 |
| B | 17.5 |
| Q9533 | |
| E | 0 |
| C | 0 |
| B | 4.5 |
| Q9534 | |
| E | 0 |
| C | 0 |
| B | 0 |
| Q9535 | |
| E | 0 |
| C | 4.6 |
| B | 0 |
| Q9536 | |
| E | 4.4 |
| C | 1.0 |
| B | 3.9 |
| Q9537 | |
| E | 4.4 |
| C | 0 |
| B | 3.9 |
| Q9551 | |
| E | 0 |
| C | 0 |
| B | 3.2 |
| Q9552 | |
| E | 0 |
| C | 0 |
| B | 3.2 |
| CN00P | |
| 1 | 24.1 |
| 2 | 24.1 |
| 3 | 24.1 |
| 4 | 24.1 |
| 5 | 24.1 |
| 6 | 0 |
| 7 | 0 |
| 8 | 0 |
| 9 | 0 |
| 10 | 0 |
| CN00Q | |
| 1 | 24.1 |
| 2 | 24.1 |
| 3 | 24.1 |
| 4 | 24.1 |
| 5 | 24.1 |
| 6 | 0 |
| 7 | 0 |
| 8 | 0 |
| 9 | 0 |
| 10 | 0 |

<LED PWB>
[P.2-55 -P.2-56]

| MODE PIN NO. | DC (V) |
|---|---|
| IC8751 | |
| 1 | 1.2 |
| 2 | 5.2 |
| IC8752 | |
| 1 | 3.1 |
| 2 | 5.1 |
| 3 | 0 |
| Q8705 | |
| E | 3.5 |
| C | 3.4 |
| B | 0 |
| Q8706 | |
| E | 3.6 |
| C | 3.5 |
| B | 0 |
| Q8707 | |
| E | 3.5 |
| C | 3.4 |
| B | 0 |
| Q8708 | |
| E | 0 |
| C | 0 |
| B | 3.2 |
| Q8709 | |
| E | 0 |
| C | 0 |
| B | 3.0 |

<D-AMP PWB>
[P.2-59 -P.2-60]

| MODE PIN NO. | DC (V) |
|---|---|
| IC6201 | |
| 1 | 13.8 |
| 2 | 3.2 |
| 3 | 12.3 |
| 4 | 2.6 |
| 5 | 0 |
| IC6501 | |
| 1 | 6.2 |
| 2 | 6.2 |
| 3 | 6.1 |
| 4 | 0 |
| 5 | 6.1 |
| 6 | 6.2 |
| 7 | 6.2 |
| 8 | 12.3 |
| IC6621 | |
| 1 | -7.5 |
| 2 | 0 |
| 3 | 0 |
| 4 | -13.9 |
| 5 | 0 |
| 6 | 0 |
| 7 | -7.5 |
| 8 | 13.3 |
| IC6661 | |
| 1 | -7.6 |
| 2 | -7.9 |
| 3 | 0.6 |
| 4 | 0.5 |
| 5 | 13.8 |
| 6 | 11.9 |
| 7 | 0 |
| 8 | -14.0 |
| 9 | -1.2 |
| 10 | -13.9 |
| 11 | 0 |
| 12 | 11.9 |
| 13 | 13.9 |
| 14 | 0.6 |
| 15 | -3.3 |
| 16 | -7.9 |
| 17 | -7.5 |
| Q6611 | |
| E | 0 |
| C | 0 |
| B | 0 |
| Q6612 | |
| E | 0 |
| C | 0 |
| B | 0 |
| Q6613 | |
| E | 0 |
| C | 0 |
| B | 0 |
| Q6661 | |
| E | 13.8 |
| C | -13.9 |
| B | 13.8 |
| Q6662 | |
| E | -13.9 |
| C | 0.6 |
| B | -13.9 |
| Q6663 | |
| E | 0 |
| C | 13.8 |
| B | 0 |

<DC-DC PWB>
[P.2-61 -P.2-62]

| MODE PIN NO. | DC (V) |
|---|---|
| IC9601 | |
| 1 | 9.8 |
| 2 | 0 |
| 3 | 5.2 |
| 4 | 0 |
| 5 | 0.9 |
| 6 | 1.0 |
| 7 | 5.0 |
| 8 | 0.9 |
| IC9602 | |
| 1 | 0 |
| 2 | 24.0 |
| 3 | 12.2 |
| 4 | 0 |
| 5 | 0.9 |
| 6 | 1.0 |
| 7 | 3.0 |
| 8 | 0.9 |
| IC9701 | |
| 1 | 8.1 |
| 2 | 16.1 |
| 3 | 3.3 |
| 4 | 0 |
| 5 | 0.9 |
| 6 | 0.9 |
| 7 | 3.7 |
| 8 | 0.9 |
| IC9751 | |
| 1 | 7.3 |
| 2 | 16.0 |
| 3 | 2.5 |
| 4 | 0 |
| 5 | 0.9 |
| 6 | 1.0 |
| 7 | 3.3 |
| 8 | 0.9 |
| IC9801 | |
| 1 | 20.8 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 0.9 |
| 6 | 1.1 |
| 7 | 3.3 |
| 8 | 0.9 |
| IC9851 | |
| 1 | 11.4 |
| 2 | 0 |
| 3 | 8.9 |
| 4 | 0 |
| 5 | 0 |
| IC9852 | |
| 1 | 0 |
| 2 | 11.3 |
| 3 | 0 |
| 4 | 0 |
| 5 | 0 |
| IC9901 | |
| 1 | 15.9 |
| 2 | 15.9 |
| 3 | 9.0 |
| 4 | 2.5 |
| 5 | 0 |
| Q9601 | |
| E | 0 |
| C | 0 |
| B | 0.6 |
| Q9651 | |
| E | 0 |
| C | 0 |
| B | 0.6 |
| Q9652 | |
| 1 | 15.9 |
| 2 | 15.9 |
| 3 | 15.9 |
| 4 | 8.2 |
| 5 | 5.0 |
| 6 | 5.0 |
| 7 | 5.0 |
| 8 | 5.0 |
| Q9653 | |
| E | 0 |
| C | 4.5 |
| B | 0 |
| Q9654 | |
| E | 0 |
| C | 0 |
| B | 0.6 |
| Q9801 | |
| E | 0 |
| C | 0 |
| B | 0.6 |
| Q9904 | |
| E | 9.0 |
| C | 9.0 |
| B | 8.3 |
| Q9905 | |
| E | 0 |
| C | 0 |
| B | 3.2 |
| CN0AT | |
| 1 | 32.3 |
| 2 | 5.1 |
| 3 | 0 |
| 4 | 3.4 |
| 5 | 0 |
| 6 | 2.5 |
| 7 | 0 |
| 8 | 8.9 |
| 9 | 0 |

<SD CARD PWB>
[P.2-63 -P.2-64]

| MODE PIN NO. | DC (V) |
|---|---|
| IC2001 | |
| 1 | 0 |
| 2 | 1.4 |
| 3 | 1.7 |
| 4 | 0 |
| 5 | 3.4 |
| 6 | 5.0 |
| 7 | 3.4 |
| 8 | 0 |
| 9 | 3.1 |
| 10 | 3.4 |
| 11 | 3.4 |
| 12 | 0 |
| 13 | 0 |
| 14 | 0 |
| 15 | 0 |
| 16 | 3.4 |
| 17 | 3.0 |
| 18 | 3.4 |
| 19 | 1.3 |
| 20 | 1.7 |
| 21 | 1.3 |
| 22 | 0 |
| 23 | 0 |
| 24 | 0 |
| 25 | 0 |
| 26 | 0 |
| 27 | 0 |
| 28 | 0 |
| Q2001 | |
| E | 3.4 |
| C | 1.3 |
| B | 3.2 |
| CN200L | |
| 1 | 0 |
| 2 | 0 |
| 3 | 3.4 |
| 4 | 5.1 |
| 5 | 0 |
| 6 | 3.1 |
| 7 | 0 |
| 8 | 0 |
| 9 | 0 |

<OPTICAL PWB>
[P.2-65 -P.2-66]

| MODE PIN NO. | DC (V) |
|---|---|
| IC2501 | |
| 1 | 0 |
| 2 | 5.1 |
| 3 | 0 |
| CN00DA | |
| 1 | 5.1 |
| 2 | 0 |
| 3 | 0 |

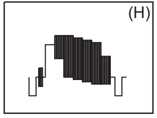
<SUB POWER PWB>
[P.2-67 -P.2-68]

| MODE PIN NO. | DC (V) |
|---|---|
| IC9001 | |
| 1 | 129.5 |
| 2 | - |
| 3 | 0 |
| 4 | 19.5 |
| 5 | 0 |
| 6 | 1.3 |
| 7 | 1.2 |
| IC9051 | |
| 1 | 12.8 |
| 2 | 0 |
| 3 | 2.4 |

# WAVEFORMS

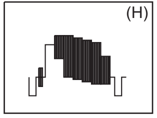
ANALOG PWB (1/6)
(SHEET1)

**IC101-45**



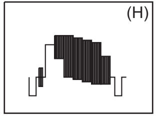
0.8 Vp-p

**IC101-49**



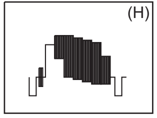
0.8 Vp-p

**IC101-57**



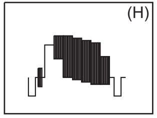
0.9 Vp-p

**IC101-79**



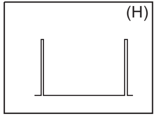
0.9 Vp-p

**IC102-2**



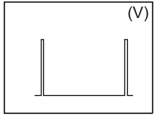
0.9 Vp-p

**IC102-28**



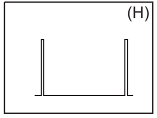
3.5 Vp-p

**IC102-37**



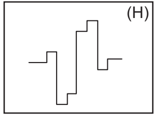
3.5 Vp-p

**IC102-38**



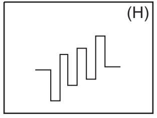
3.4 Vp-p

**IC102-41**



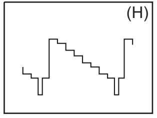
0.7 Vp-p

**IC102-43**



0.8 Vp-p

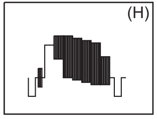
**IC102-45**



0.9 Vp-p

ANALOG PWB (3/6)
(SHEET3)

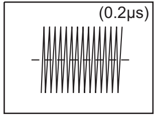
**TU3001-17**



0.9 Vp-p

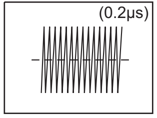
DIGITAL PWB (15/16)
(SHEET21)

**IC7601-13**



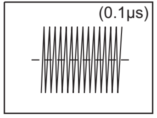
3.0 Vp-p

**IC7601-15**



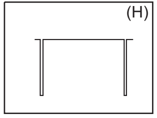
2.2 Vp-p

**IC7601-17**



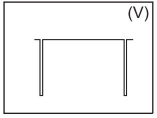
0.4 Vp-p

**IC7601-62**



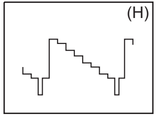
3.5 Vp-p

**IC7601-64**



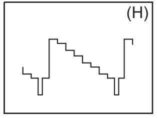
4.0 Vp-p

**IC7601-97**



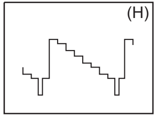
2.2 Vp-p

**IC7601-100**



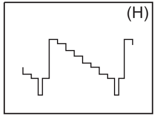
2.0 Vp-p

**IC7605-2**



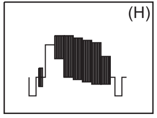
2.1 Vp-p

**IC7605-4**



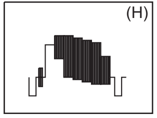
0.5 Vp-p

**IC7606-2**



2.3 Vp-p

**IC7606-4**



0.5 Vp-p

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